Athens State University

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Athens State University

Founded in 1822

State Affiliated

Catalog for 2009-2010

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ACCREDITATION

Athens State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone Number [404] 679-4501) to award the baccalaureate degree.

The College of Education at Athens State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue, N.W., Suite 500, Washington, D.C. 20036, Phone (202) 466-7496.

The College of Business is nationally accredited by the Association of Collegiate Business Schools and Programs to offer the following business degree: The Bachelor of Science (B.S.) with majors in Accounting, Human Resource Management, Management, and Management of Technology.

Athens State University is approved by the Alabama State Department of Education for the training of elementary, secondary, and postsecondary school teachers. The Alabama State Department of Education is a member of the National Association of State Directors of Teacher Education Certification.

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Call 1-800-522-0272 or (256) 233-8100
www.athens.edu
Fax No. (256) 233-8164

CAMPUS ALERT NOTIFICATION

TO BE NOTIFIED OF ANY EVENT CONCERNING SCHOOL CLOSINGS DUE TO SEVERE WEATHER OR ANY UNFORESEEN EMERGENCY, PLEASE LOG ON TO WWW.ATHENS.EDU TO EMERGENCY NOTIFICATION AND FOLLOW DIRECTIONS TO SIGN UP.

The catalog is the official announcement of the programs, requirements, and regulations of Athens State University. Students enrolling in the University are subject to the provisions stated herein. Statements regarding courses, fees, and conditions are subject to change without advance notice.

ALABAMA ARTICULATION PROGRAM (STARS)

The Alabama Articulation Program (also referred to as STARS--Statewide Articulation Reporting System (is an internet based articulation and transfer planning system designed to inform students who attend public two-year and four-year institutions about approved transfer courses and programs. STARS is an efficient and effective way of providing students, counselors, advisors, and administrators with accurate information upon which transfer decisions may be made. STARS is the information link between the public institutions of higher education in the State of Alabama. The STARS internet system, if used properly, can prevent the loss of course credit hours, can provide direction for scheduling of course work, and can ease the transition from one institution to another. Students who are interested in this program should first see their advisor. Transfer guides can be obtained directly through the STARS home page at http://stars.troyst.edu. For further information contact the respective Colleges (College of Arts and Sciences, College of Business, or College of Education).

NONDISCRIMINATION

Athens State University does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.

Athens State University does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities. An ADA/504 representative has been designated to insure compliance with the non-discrimination requirements contained in Section 35.107 of the Department of Justice regulations. Information concerning the provisions of the American with Disabilities Act, and the rights provided thereunder, are available from the ADA Coordinator.

SEXUAL HARASSMENT GRIEVANCE PROCEDURE

Should a student feel he/she has been sexually harassed, he/she should contact either the immediate supervisor of the alleged perpetrator or the appropriate University official. Athens State University has in place an appropriate grievance procedure for sexual harassment and other grievances should a student feel it necessary to file. Grievance of a general nature may be filed with the Coordinator of Student Activities in the Sandridge Student Center or the grievance may be pursued through the appropriate supervisor. A copy of step-by-step procedures for filing a grievance may be obtained in the Student Activities' Office.

DISABILITY STATEMENT

Athens State University does not discriminate on the basis of disability in the admission, or access to, or treatment or employment in, its programs or activities. An ADA/504 representative has been designated to insure compliance with the nondiscrimination requirements contained in Section 35.107 of the Department of Justice regulations. Information concerning the provisions of the Americans with Disabilities Act, and the rights provided are available from the ADA/504 Coordinator.

Athens State University will make every reasonable attempt to provide accommodations needed by individuals with disabilities. Accommodations will consist of working with the Division of Rehabilitation Services and the Alabama Department of Education to provide adaptive equipment, facility modification, and any other reasonable measures available to provide a satisfactory learning and working environment.

It is the responsibility of the individual to notify Athens State University of a disability which may require accommodation. If you have a disability that might necessitate adaptive materials, services, or assistance, please make this known so that the appropriate arrangements can be made. During the weekdays, individuals may contact the ADA/504 Coordinator, second floor of the Student Center. During the evening and on weekends, individuals may contact Security in Founders Hall.

EDUCATION RIGHTS AND PRIVACY ACT OF 1974

In accordance with the Family Educational Rights and Privacy Act (Sec. 513 of PL 93-380), education amendments of 1974, which amends the General Education Provisions Act, Sec. 438) students of Athens State University are hereby informed of their right of access to their official records as described in the act. In accordance with Public Law 93-380, the Family Educational Rights and Privacy Act of 1974, each student and former student of Athens State University has the right to inspect his or her official educational records in the Records Office. This right of inspection does not apply to any confidential information submitted to this office prior to January 1, 1975, nor to access by students or former students to financial records of their parents. Under this act, the University may not release information concerning a student without the student's written permission.

The following is a list of directory information which may be made available regarding students of the University without their prior consent and is considered part of the public record of their attendance: (1) name, (2) permanent and local addresses, (3) telephone listing, (4) date and place of birth, (5) major fields of study, (6) dates of attendance, (7) degrees and awards received, (8) high school and other colleges and universities attended, and (9) participation in officially recognized organizations, activities, and sports. The student is entitled to request in writing, that any or all of this information not be made publicly available prior to the end of the registration period for any given term.

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GENERAL INFORMATION

THE ALABAMA COMMUNITY COLLEGE SYSTEM

The Alabama Community College System is committed to provide a unified system of institutions dedicated to excellence in delivering academic education, adult education, and workforce development.

ATHENS STATE UNIVERSITY
MISSION STATEMENT

Athens State University, offering coursework at the junior and senior level, is the baccalaureate degree granting institution of the Alabama Community College System. Governed under the authority of the Alabama State Board of Education, and in conjunction with the other institutions of the Alabama Community College System, Athens State University provides affordable education in an environment which recognizes diversity and nurtures the discovery and application of knowledge. Located in northern Alabama, Athens State University acknowledges a commitment to primarily serve transfer students of the Alabama Community College System as well as students from other accredited institutions of higher education. The University prepares students for professional careers, graduate school, lifelong learning, and enrichment. The University, through quality teaching, individual attention, and a varied course delivery system, assists students in the timely achievement of their professional and career goals. In addition, Athens State University offers programs of continuing education and community services that provide a variety of cultural and professional opportunities.

GOALS

1. To provide educational opportunity to postsecondary students through carefully planned programs of study that impart a body of knowledge, stimulate critical thinking, develop communication and technological skills, foster ethical behavior, and encourage life-long learning in a diverse and changing world.
2. To serve the student effectively and efficiently by providing flexible scheduling, varied modes of delivery, and cooperative arrangements with other institutions.
3. To recruit, retain, and promote professional development of qualified faculty and staff.
4. To provide and maintain appropriate learning resources which are supportive of student learning, quality teaching, scholarly research, diversity, and technological proficiency.
5. To develop and maintain periodic internal evaluation to ensure that all programs are operating within a manner consistent with the mission of the University.
6. To provide opportunities for students to expand their intellectual, social, and cultural horizons.
7. To provide and maintain student services which furnish necessary information, financial assistance, and guidance counseling to assist progress toward personal, academic, and career goals.
8. To promote and maintain effective student recruitment and retention.
9. To promote the use of appropriate University and community resources to facilitate educational and training programs for the diversified needs of business, industry, education, and government in addition to providing cultural and intellectual enrichment.
10. To acquire and administer efficiently and effectively all fiscal resources.
11. To provide, develop, and maintain a physical plant appropriate for the support of the University programs.
12. To effectively communicate the University's vision and goals as a baccalaureate degree granting institution to internal and external constituencies.

GOVERNANCE

Athens State University is a baccalaureate degree granting institution operating under the control of the Alabama State Board of Education. The president is the chief executive officer of the University and is directly responsible to the State Board of Education through the Chancellor of Postsecondary Education.

HISTORY

Athens State University is the oldest college in the state of Alabama. The University was founded in 1822 by local citizens who purchased five acres of land, erected a building, and began Athens Female Academy. Ownership of the school was transferred in 1842 to the Tennessee Conference of the Methodist Church. With the birth of the North Alabama Conference of the Methodist Church in 1870, the College came under the jurisdiction of that body.

On May 10, 1974, the Board of Trustees requested from the North Alabama Conference of the United Methodist Church that the College seek affiliation with the State of Alabama. The conference, at its annual meeting in June, 1974, gave the Board of Trustees this permission and authorized the transfer of the College to the State of Alabama.

In June 1975, the College was accepted by the Alabama State Board of Education subject to the appropriation of operating funds by the Alabama Legislature. Later that year, the Legislature appropriated funds for the operation of the College to serve the graduates of state junior, community, and technical colleges/institutes.

The institution's name has changed several times in its history, following adjustments in purpose and governance. Athens Female Academy, upon transfer to the Tennessee Conference of the Methodist Church in 1842, became Athens Female Institute. Then in 1889 after having been transferred to the newly formed North Alabama conference, the College was known as Athens Female College. In 1931, the College became coeducational and was known as Athens College. In 1975, when the institution became part of the state educational system, it was renamed Athens State College, marking the initiation of an era of increased opportunity for service. In 1998, a bill was passed by the legislature to rename the College to Athens State University. The long history of service by the University is the foundation upon which the future of the University rests.

BUILDINGS

ADMINISTRATION BUILDING
The Administrative Building serves as the center for the office of the President, Vice President of External Affairs, and Vice President of Academic Affairs. It is located on the corner of Beaty Strcet and Bryan Street.

BROWN HALL
Brown Hall is the cener for the Office of Institutional Planning, Research and Assessment, and contains some Faculty Offices. It is located on Pryor Street across from the University Library.

CHASTEEN HALL
Chasteen Hall serves as a classroom building. It is located one block west of the main campus at the corner of Clinton and Hobbs Streets.

CARTER PHYSICAL EDUCATION CENTER
The gymnasium, faculty offices, and classrooms are located in the Carter Physical Education Center.

CLASSROOM BUILDING
The Classroom Building contains classrooms, the Limestone County Video Conference Center, student lounge, and the Offices of Student Financial Services. It is located on Pryor Street and is across from the University Library.

FOUNDERS HALL
Founders Hall contains the Offices of Financial Affairs, Vice President of Financial Affairs Office, Director of Physical Plant Office, the Writing Center, classrooms, evening services and testing, IT Department, and the faculty and staff offices for the College of Arts and Sciences. Founders Hall is the benchmark of the University and is located on the corner of Beaty Street and Pryor Street.

LIBRARY
The Athens State University Library is located at the corner of Pryor Street and Elkton Road.

McCAIN HALL
McCain Hall contains offices for the College of Education. It is located on Hobbs Street.

McCANDLESS HALL
McCandless Hall contains a small theater, faculty offices for the College of Arts and Sciences, and classrooms.

NAYLOR HALL
This building contains some faculty offices and the ceramic lab is in the basement of the building.

SANDERS HALL
This building contains offices for the College of Business. This building was at one time a dormitory. It has been completely renovated and now serves as the center for the College of Business. It is located on Pryor Street directly in front of the University Library.

SANDRIDGE STUDENT CENTER
The Sandridge Student Center contains offices for the Vice President for Enrollment Management and Student Services, the offices of alumni affairs, student activities, transfer/advising center, student support services, counseling, services for students with disabilities, career services and cooperative education, admissions, records, recruitment, veterans affairs, and the publications department. In addition, there is a campus post office, food service, coffee shop, bookstorc, ballroom, and meeting rooms in this building.

WATERS HALL
Waters Hall is undergoing a complete renovation but will house offices and classrooms for the Science Department of the Collegc of Arts and Sciences.

DIRECTORY OF SERVICE AREAS

ACADEMIC AFFAIRS OFFICE

The Office of Vice President of Academic Affairs serves as the intersection between faculty, staff, and student communities and is primarily responsible for promoting excellence in all academic programs. The Office creates and supports an environment that advances the University mission of providing high quality and affordable education to all qualified students. In close collaboration with the President, academic deans, faculty and staff, and as well as the Department of Postsecondary Education of the Alabama Community College System, the Office oversees the strategic planning of academic programs, policy development and review, program assessment and institutional effectiveness, and faculty and student development. Through six academic and administrative units, the Colleges of Arts and Sciences, Business, and Education, Institutional Planning, Research, and Assessment, University Centers, and the Library, and guided by the University's driving force of "Building Success Stories", Academic Affairs is committed to the achievement of the following goals: 1) promote a dynamic learning environment that prepares students to be knowledgeable, articulate, and understanding of a diverse and changing world, 2) supports the recruitment, development, and retention of competent faculty and staff; 3) share the University's expertise to improve the well-being of the community, and 4) create an inclusive environment that extends to all members of the University.

The Office of the Vice President of Academic Affairs is located in the administration building on the corner of Bryan Street and Beaty Street, across from Founders Hall. The Vice President of Academic Affairs and staff are available to assist you in your academic concerns. Appointments may be made by calling 216-3328.

For information concerning degree options contact: The College of Arts and Sciences, Dr. Ronald Fritze, Dean, 233-8226; the College of Business, Dr. Linda Shonesy, Dean, 216-5352; or the College of Education, Dr. Debra Baird, McCain Hall, Dean, 233-8157.

ACCOUNTING TUTORIAL LAB

The Accounting Tutoring Lab offers specific course tutoring for students enrolled in any Accounting courses offered at Athens State University and is located in Sanders Hall, Room 306. Peer tutors are available to assist students with their learning needs. The mission of the Accounting Lab is to provide students with foundational accounting concepts and encourages students to become more independent learners. Students may drop in during regularly scheduled lab hours or make an appointment by calling 256-216-5379 or email at accounting@athens.edu.

ALABAMA SCIENCE IN MOTION PROGRAM

Established by the Alabama Legislature in 1994, the Alabama Science in Motion (ASIM) Program supports public secondary school biology, chemistry, and physics laboratory activities and is located in the AMSTI Building. Athens State University provides teacher training and disseminates equipment to support biology and chemistry laboratory activities at city and county public high schools in Limestone, Lawrence, Morgan, Cullman, and Blount counties. For additional program information, contact the Athens State University ASIM Program Site Director.

ALUMNI ASSOCIATION

The Athens State University Alumni Association's mission and goal is to enhance the feeling of loyalty and commitment to the University and its alumni. It provides services and programs for its thousands of alumni throughout the world. All functions and services are coordinated and administered by the Office of Alumni Affairs located in the Sandridge Student Center. The Athens State University Column, The Alumni News and other alumni publications keep the active alumni and their families and friends informed about the University and the association. Traditional programs such as the Annual Alumni Awards Banquet, the Fifty-Year Club celebration, and the alumni scholarship program, in addition to chapter meetings, insure opportunities for socialization and sharing among the Athens State University family of alumni, students, faculty, staff and friends. Information regarding alumni events may be obtained by calling 233-8275 or 233-8243.

BOOKSTORE

The bookstore is located on the lower level of the Sandridge Student Center and carries a full line of University textbooks, instructional and educational materials, and a variety of items incidental to student needs.

COMPUTER LAB (Open to all ASU Students)

The Open Computer Lab, temporarily located in the Carter Physical Education Building on the lower floor, Room B7, provides access to computers and printers for Athens State University students. The lab is designed to provide a place where any Athens State University student can come during day, evening, and weekend hours of operation to complete assignments or research when a personal computer is unavailable to them at home. However, CS/CIS classes may be scheduled in the room. Hours of operation are posted. Work-study students staff the lab to provide minimal guidance on software and printer usage. The Open Lab in the Carter PE Building is maintained by the Athens State University IT department and is not a tutoring lab.

The Mathematics/Computer Science Teaching Lab is temporarily located in the Library, Room 114, and is not an open lab for students. It is scheduled for classes and meetings during the academic semesters only.

CONTINUING EDUCATION AND COMMUNITY SERVICES

Continuing Education and Community Services are an integral part of Athens State University and are primarily concerned with the special studies aspects of the educational process within the University and the community. Basic programs are developed through the academic areas to meet the following needs: (1) noncredit courses, (2) seminars, (3) conferences, (4) institutes, and (5) workshops. **Athens State does not accept Continuing Education units (CEU's) for academic credit.**

CURRICULUM RESOURCE CENTER (CRS)

The Curriculum Resource Center is a center providing materials and services for students enrolled in the Teacher Education Program. The CRS houses elementary and secondary texts, teacher editions, and resource materials for most subject areas taught in the nation's schools, as well as lesson planning resources. The Curriculum Resource Center is located in the ASU library and is ADA accessible.

FINANCIAL AFFAIRS

The Business Office, located in Founders Hall, handles financial transactions relating to the University and student activities. Information regarding financial affairs call 233-8204 and the Vice President of Financial Affairs' executive assistant will direct you to the proper extension. The Business Office hours are 8:00 a.m. - 4:30 p.m., Monday through Friday. The offices are open until 6:00 p.m. during Late Registration, Drop and Add, and Payment Due Date.

LIBRARY

The Athens State University Library is located on the corner of Pryor and Elkton Streets and has holdings in excess of 119,000. The library has access to 18,800 on-line full text periodicals and over 62,000 e-books. Journals may be accessed through print and computerized indexes, such as ABI-INFORM, ERIC, Academic Search Premier, and JSTORE. Holdings of the library are enhanced by membership in regional and national consortia: The Lyrasis, and the Network of Alabama Academic Libraries (NAAL). Special collections include rare books, University archives, local history files, and an extensive religion collection. Library orientation is provided through individual or scheduled group sessions. A variety of informational handouts are also available, as well as a tutorial on the web site. The library is open seven days a week, except for holidays and semester breaks. The library telephone number is 233-8218.

MATHEMATICS LAB

The Math Lab, temporarily located in Founders Hall (until the renovation of Waters Hall is complete), provides a supportive learning environment aimed at assisting students in completing assignments for their mathematics classes, tutoring students in the area of general mathematics for 300 level courses or in other mathematical areas, and increase their confidence in their mathematical skills. The lab is staffed by knowledgeable Mathematics majors selected by the faculty supervisor. These tutors provide personal tutorial assistance to Athens State University students who voluntarily seek the services, in one-on-one consultation, during hours of operation. Tutors can be reached by telephone at (256) 216-3315 to clarify simple concepts or to make an appointment.

Any student enrolled in a distance learning mathematics class may visit the Math Lab during regularly scheduled day or evening hours to receive personal tutoring, watch or check out mathematics VHS tapes or DVD's or take advantage of available printed resources. In addition to visiting the campus for assistance, students enrolled in distance learning mathematics classes are encouraged to contact the Math Lab during posted hours of operation to receive verbal assistance via the telephone.

The hours of operation change each semester due to scheduling considerations. However, every effort is made to accommodate the schedule for our student population. These hours of operation are distributed via e-mail to all faculty, staff and students at the beginning of each academic term. In addition, hours of operation are posted on campus bulletin boards or in mathematics instructors' Blackboard courses.

ATHENS STATE UNIVERSITY IN-SERVICE CENTER (Formerly referred to as NATE)

The Athens State University In-Service Center is one of eleven regional in-service centers in Alabama. The centers were created by the state legislature to enhance the training of school personnel in critical needs areas. The concept and mandate were adopted in May 1984 (Act 84-622), establishing centers to provide "rigorous in-service training in critical needs areas for the state's public school personnel" - teachers, superintendents, principals, and local board of education members. The five counties served by Athens State University Regional In-Service Center include Blount, Cullman, Lawrence, Limestone, and Morgan. The goal of the in-service center is to provide quality programs aliened with the National State Development Council standards to improve student achievement by increasing teachers' content knowledge in order to improve effectiveness of their instruction.

The In-Service Center (formerly NATE), is one of eleven Regional In-Service Centers that were established in the 1980's by the State Department of Education, is administered by Athens State University to provide inservice programs for teachers in a five county region in north Alabama. The inservice programs coincide with the critical need areas identified by the State Department of Education. The Center also works closely with the ten school districts and 132 schools in the region to provide both district and site-based inservice programs tailored to specific staff development needs. The ASU In-Service office is open Monday through Friday 8:00 a.m. - 4:30 p.m. The telephone number is (256) 216-6622.

OFF-CAMPUS CENTERS

Athens State University has centers located in various areas of North Alabama and one in South Alabama to offer additional services to further meet the needs of students. Three of the centers are University Centers and three are Distance Learning Centers. The University Centers have been approved to offer traditional format classes on their respective campuses.

- University Center at Northeast State Community College, Beck Health & Fine Arts Building (256) 638-3736.
- University Center at Wallace, Hanceville, Ninth Floor of the Bailey Building (Will be relocating to the Bevill Building, Spring Semester, 2010), Hanceville, Alabama (256) 352-8090.
- University Center at Redstone Arsenal, Building #3200 (256) 882-9426 or (256) 876-7561.
- Distance Learning Center at Northwest-Shoals Community College, Phil Campbell Campus, (256) 331-6284; Muscle Shoals Campus, 331-6200.
- Distance Learning Center at Snead State Community College, Administration Building, Boaz, Alabama (256) 840-0767.
- Distance Learning Center at Wallace, Selma, Administrative Bldg., Rm. 1089, (334) 876-9421.

PRINTING AND PUBLICATIONS SERVICES

The Office of Printing and Publication Services supports the mission of the University by providing a variety of quality printing and mail services to the University. Through the availability of state of the art equipment and orderly processes aimed at meeting or exceeding timelines and quality standards, the Office contributes to the overall effectiveness and efficiency of day-to-day operations and special projects for both academic and administrative areas. The Office also supports the marketing and external relations functions of the University by providing copy design for promotional material and ensuring that all publications representing the University convey a consistent and accurate message and image. It is located on the lower level of the Sandridge Student Center.

RECRUITING SERVICES

The Office of Recruitment Services fosters the educational opportunities of qualified prospective students by offering recruitment expertise related to the University baccalaureate programs in order to meet enrollment goals. Through a carefully designed outreach program, and in coordination with community colleges and other postsecondary institutions, the Office aids prospective students in matching their educational goals and interests with those offered at Athens State University. In addition, the Office supports University's diversity intiatives by pursuing the recruitment of qualified students from traditionally under-represented groups. The recruiters are located on the top floor of the Sandridge Student Center.

SERVICE MEMBERS OPPORTUNITY GENERAL REGISTRY

Athens State University is a member of Servicemembers Opportunity Colleges, a consortium of over 1800 institutions pledged to be reasonable in working with servicemembers and veterans trying to earn degrees even while pursuing demanding, transient careers. As a SOC member we are committed to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and work experiences. SOC is sponsored by fifteen national higher education associations with the military services, the National Guard Bureau, the Department of Defense, and Dantes.

TRANSFER/ADVISING CENTER

The Transfer and Advising Center serves as a centralized service office providing credit transfer advise to incoming students. The Center is responsible for reviewing student transcripts for allowable credit toward the student's general education in his or her specific program of study, developing an unofficial plan of study for beginning academic coursework and assigning faculty advisors. It is located on the lower level of the Sandridge Student Center.

WRITING CENTER

The Writing Center, located in Founders Hall 350, provides a supportive learning environment aimed at assisting students to meet writing goals and objectives and increase their confidence and competence in their composition skills. The lab is staffed by knowledgeable English majors selected by the faculty director, who provides personal tutorial assistance to students who voluntarily seek the services, either in one-on-one consultation or via internet by sending papers to writing.center@athens.edu during hours of operation and talking with our peer tutors over the telephone at (256) 233-8177.

OFFICE FOR ENROLLMENT AND STUDENT SUPPORT SERVICES

The Office of The Vice President for Enrollment and Student Support Services is committed to enhancing the student's total University experience through a series of co-curricular programs and services that complement their academic life. Our comprehensive programs and support services are aimed at meeting the following goals:

1. expand the educational opportunities of qualified students through recruitment, enrollment, and retention;
2. provide necessary information and resources to meet students' needs for financial assistance, accessibility to all programs and services, counseling and testing services, and accurate and secured records of academic progress;
3. provide opportunities for the intellectual, social, and cultural development of Athens State University students; and
4. communicate the University's vision and goals as a baccalaureate degree granting institution to internal and external constituencies.

The office of the Vice President for Enrollment and Student Support Services is located on the upper level of the Sandridge Student Center. Enrollment and Student Services are organized as follows:

- Admissions Office, lower level of Sandridge Student Center 233-8130
- Counseling and Career Services (Career Services, Personal and Career Counseling, Cooperative Education, Services for Students with Disabilities, Student Employment), upper level of the Sandridge Student Center 233-8285
- International Student Services, upper level 233-8268 or 233-8171
- Printing, Publications, and Post Office, lower level of the Sandridge Student Center 233-8210
- Non-traditional Academic Credit, upper level 233-8268
- Student Recruiting Office, upper level of the Sandridge Student Center 233-8233
- Records Office, lower level of the Sandridge Student Center 233-8165
- Student Activities/Alumni Affairs Office, upper level of the Sandridge Student Center 233-8243
 Campus Tours 216-3319
- Student Financial Services, Classroom Building, lower level 233-8122
- Testing 233-6540

- Transfer-Advising Center, lower level Sandridge Student Center
 College of Arts & Sciences 233-8277
 College of Business 233-8216
 College of Education 233-8146
- Veterans Affairs Office, lower level of the Sandridge Student Center 233-8124

Athens State University is a member of the Alabama Community College System. Students within the Alabama Community College System's two-year community and junior colleges are considered admitted to Athens State University under its admissions policy. Alabama Community College System students who desire to transfer to Athens State must meet the minimum academic requirements for enrollment set forth in the University's transfer policies. For further information regarding admissions requirements, please call 256-233-8130.

ADMISSIONS DEPARTMENT

ADMISSIONS/RECORDS PURPOSE/GOALS

The Office of Admissions and Records promotes policies and practices that ensure admissions and registration to qualified students and serves as the official University steward of academic records. Through carefully managed processes, information technology resources, and personalized services, the Office conducts a wide range of activities aimed at meeting University enrollment and retention goals, facilitating the successful transition of first-admitted students, and ensuring the accuracy, integrity, and security of student academic records. In conducting its activities, the Office collects, maintains, preserves, and distributes academic data in compliance with institutional policies and state and federal regulations.

ADMISSIONS APPLICATION

Each student transferring or applying for admission to Athens State University must complete an Admissions Application, return the application to the Admissions Office accompanied by a required nonrefundable application fee of $30.00 and Identification documentation or apply online at www.athens.edu. Click on "prospective student." Admission Applications for students who do not enroll for the term specified, will be destroyed after a two year span. Student will then have to submit a new application and pay the required fee.

STUDENT IDENTIFICATION REQUIREMENTS:

Identification documentation must be submitted in person or via a notaried copy through the U.S. Postal Service.

a. One primary form of identifying documentation such as an unexpired Alabama Driver's License; unexpired Alabama identification card; unexpired U.S. passport, an unexpired U.S. permanent resident card, **OR**
b. Two secondary forms of Identity Documentation, one of which must be a photo identification card other than those listed above **AND** one additional form of identification Certificater of Naturalization; a social security card; a certified copy of a U.S. birth certificate.
c. **All international students applicants** must provide: a VISA acceptable to the United States and an official translated copy of the student's college transcript; a 500 (written) or 173 (computer) score on the TOEFL documented by an official copy of the student's TOEFL score submitted to Athens State University; a signed notarized statement verifying adequate financial support; and documentation demonstrating adequate health and life insurance which must be maintained during enrollment.
d. **All male students within the ages of 18-26 must self-certify they are registered with the U.S. Selective Service System.**

OFFICIAL TRANSCRIPTS

All students must provide official transcripts from each college or university previously attended. The student should have these transcripts sent directly to Athens State University Admissions Office, 300 North Beaty Street, Athens, Alabama 35611, If the Admissions Office does not have all transcripts by the beginning of the semester, the student may be admitted **conditionally**. If all official transcripts are not received by the end of the student's first term, the student **will not be allowed** to register for any future terms.

ADMISSIONS REQUIREMENT SUMMARY:

1. A degree from a two-year or four-year institution accredited by the Southern Association of Colleges and Schools or other regional accrediting agency, **OR**
2. A degree, diploma or certificate from a regionally accredited technical college or institute, **OR**
3. Sixty to sixty-four semester hours of freshman and sophomore college credit with a 2.0 grade point average on a 4.0 scale OR
4. Completed all general studies curriculum core requirements (Areas I-IV) and submitted early transfer forms to the Athens State University Admissions Office. Official transcripts are required.
5. Coursework documentation must be submitted directly from each institution where coursework was attempted via an official institutional transcript **AND**
6. Student must provide required identification documentation (listed above).

ADMISSIONS OF TRANSFER STUDENTS

Collegiate work will be considered for transfer credit from postsecondary institutions that are fully accredited and that offer baccalaureate or associate degrees. Collegiate work from nonaccredited institutions will be reviewed by the Admissions Committee. For additional information, students should contact the offices of Admissions and Records. Categories for admission of transfer students are as follows:

- **Dual Enrollment Transfer of Community/Junior College Students**
 Community/Junior college students with at least a 3.0 grade point average and who have completed at least 32 semester hours at the community/junior/technical college, may--with the permission of the instructional dean of the respective college--dual enroll with Athens State University. Courses taken at Athens State University may not be used to fulfill junior/community college degree requirements and all courses taken at Athens State University will be transcripted on the Athens State University transcript. For further information, contact the Offices of Admissions and Records.

- **Early Admission Transfer Students**
 A transfer student may be considered for admission with at least forty-one semester hours provided he or she has a cumulative 2.0 grade point average on a 4.0 scale, and has met all General Education (Gen. Ed.) requirements (Areas I-IV) before entering Athens State University. This regulation applies when the student does not plan to receive an associates degree from the junior or community college and does not need additional courses offered at the junior college level. Early admission students will be required to supply **unofficial transcripts** before meeting with the Director of Admissions at which time an Early Transfer Form will be approved. At this point, all **official transcripts** must be received by the end of the first semester or the student will not be allowed to register for any future terms.

- **Business/Proprietary School Transfer Students**
 Students who have completed a program from a regionally accredited business or proprietary school may be admitted to Athens State University. During the admissions process, each student's previous work will be reviewed to ascertain the entry study level of the student. Individual related subject courses and grades may not be directly transcripted, however, certain courses may be used as substitutions or waivers for a specific course in the Athens State University degree program but will not affect the total hours residency required for that degree program. Credit earned through this method will not be used in determining the student's cumulative grade point average.

- **Community/Junior College Transfer Students**
 A community/junior college transfer student may be admitted to Athens State University provided he or she has earned (1) a degree from a two-year institution accredited by the Southern Association of Colleges and Schools or other regional accrediting agency, **or** (2) sixty to sixty-four semester hours of college credit with a 2.0 grade point average on a 4.0 scale **or** (3) completed all general studies curriculum core requirements (Areas I-IV) **and** submitted Early Transfer Forms to the Athens State University Admissions Office.

- **Four-Year College Transfer Students**
 A student who has completed a minimum of the freshman and sophomore years at a regionally accredited four-year institution may be admitted to Athens State University as a transfer student.

- **International Transfer Students**
 The International Student Advisor's Office assists the international student in transferring to Athens State University. Services include interpretation of governmental regulations and institutional requirements. Students needing assistance should call 233-8268 or 233-8171. To be admitted as an F-1 student, the student must:
 1. Submit an Application for Admissions, official transcripts from all colleges and/or universities, and pay the application fee. (Admission applications for international students who do not enroll at ASU will be destroyed after two years.)
 2. Have 60-64 semester hours or equivalent from a regionally accredited institution in the U.S. **or** course by course evaluation of foreign educational credentials completed by the World Education Services (WES). If course work was taken outside of the United States, student must send official copies of transcript to WES for course by course evaluation. A copy of this evaluation from WES must be sent to the International Student Advisor.
 3. Score a minimum of 500 (written) or 173 (computer) on the TOEFL score and have an official copy sent to the International Student Advisor.
 4. Provide an I-134 Affidavit of Support Form, a current passport for copying, proof of health and life insurance while in the United States, a letter from a banking institution on financial status, a letter stating planned major to the international student advisor, and a Transfer Clearance Form if currently an F-1 student at another college/university.

 Upon receipt of the above items, an I-20 will be issued by Athens State University. Students must supply all documentation at least 30 days prior to the semester he or she is planning to enroll.

- **Technical College/Institute Transfer Students**
 A student from a regionally accredited technical college/institute may be admitted to Athens State University as a regular degree-seeking student provided he or she has completed a technical program and has received a degree, diploma or certificate. The student must submit an **official transcript** for review. Credit may be awarded for a maximum of thirty-nine semester hours depending on the particular technical program and the baccalaureate degree program selected. Individual related subject courses and grades cannot be directly transcripted as regulated by the State Department of Education and the Commission on Colleges of the Southern Association of Colleges and Schools. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State University degree program but will not affect the total

hours residency required for that degree program. Credit earned through this method will not be used in determining the student's cumulative grade point average.

ADMISSIONS POLICY FOR:

- **Former Students in Good Standing**
 A student who has previously attended Athens State University and is currently in good standing, including students returning after an absence of only one semester, can be readmitted automatically. The returning student may complete a Readmission Form to update personal information, but no additional application fee will be charged.

 If the returning student plans to seek a degree from Athens State University and has attended another college or university during his or her absence from the University, **official transcripts** must be mailed directly from the college or university attended to the Admissions Office, Athens State University, 300 North Beaty Street, Athens, Alabama 35611.

- **Non-Degree Seeking Students**
 A student who has not completed the required number of credit hours to be accepted as a regular degree-seeking student and who wishes to pursue a limited objective may be admitted as a non-degree seeking student. Such a student should report directly to the Office of Admissions to receive permission to enter and fill out an Admissions Application. Records are kept of the work completed and credits are transferable. The non-degree seeking student is ineligible for financial aid, veteran's benefits, or federal aid funding under Title IV.
 Limited Objectives:
 Auditing - Any individual may elect to attend classes on an audit basis, provided he or she has completed an Admissions Application. Credit **is not** awarded for audited classes. Audited courses will be allowed on a space available basis. **No change from audit to credit is allowed.** A student who is currently attending high school or who has not earned a high school diploma or equivalent may only audit courses at Athens State University.
 Personal Enrichment - A person who wishes to attend Athens State University for personal enrichment or self-improvement will be limited to six semester hours per term with credit recorded as for a regular degree-seeking student.
 Teacher Certification - A student holding a degree from another institution and taking courses at Athens State University for teacher certification purposes is required to submit one copy of all **official transcripts** from each institution previously attended. These transcripts are not evaluated or recorded but are used in determining teacher certification requirements. (See Teacher Education Program.)

- **Second Degree-Seeking Students**
 Students who seek a second degree must meet all admission requirements, complete all catalog requirements for the major in that degree, and must complete a minimum of thirty-three semester hours in residency at Athens State University beyond the conferral date of the first degree. **No student may secure two degrees within the same graduation period.**

- **Transient Students**

 ASU Transient Student (A ASU student in good standing who wants to take a course at another college/university to transfer the credit to Athens State University)
 This student must:
 1. Complete a Transient Letter (Letter of Good Standing) Form from the Admissions Office (Total number of hours cannot exceed the maximum allowed (18) in a term without completion of an "Overload Form"
 2. Complete transient coursework prior to final semester of degree requirements (Transient status will not be granted during the first or last semester of attendance.)
 3. Obtain transcripts of transient work within one term of earning credit (ten weeks prior to date of graduation)

 Students on probation are ineligible to enroll for transient credit.

 A College/University other than ASU (A student in good standing from another college/university who wishes to take courses at ASU to transfer credit back to their home institution)

 1. Obtain a Transient Letter (Letter of Good Standing) Form from the transferring institution indicating specific courses to be taken at ASU
 2. Complete an ASU Application for Admissions (**Students from another college/university enrolled as transient are not classified as regular students.**)
 3. Upon completion of the course(s), the transient student must make a **written request** for an official transcript to be mailed to the institution in which he or she is enrolled.

 An international student must have a transfer clearance sheet from his/her current foreign student advisor.
 As defined by the U. S. Department of Education, **transient students from another college/university are not eligible to receive federal aid funding under Title IV.**

- **Students on Probationary Status From Other Institutions**
 A student on probationary status from another institution must provide official transcripts from all colleges or universities previously attended. These transcripts will be reviewed to determine admissibility.

NOTE: A student who has been **suspended indefinitely** from another institution during the current academic year will **not be permitted to enter** Athens State University. However, the student who has been out of school for more than one year after being suspended indefinitely by another institution will be considered for admissions.

If a transfer student is admitted with a cumulative GPA of less than 2.0, he/she will be admitted on **Academic Probation.**
If, at the conclusion of the semester in which the transfer student admitted on academic probation has attempted a total of 12 semester hours at Athens State University and the Cumulative GPA at ASU is 2.0 or above, the student's status is **"Clear".**
If, at the conclusion of the semester in which the transfer student admitted on academic probation has attempted a total of 12 semester hours at Athens State University and the semester **GPA at ASU is 2.0 or above, but the Cumulative GPA is less than 2.0,** the student **will remain on Academic Probation.**
If, at the conclusion of the semester in which the transfer student admitted on academic probation has attempted a total of 12 semester hours at Athens State University and the semester GPA at ASU is **less than 2.0,** the student is suspended for one semester. The transcript will read **Suspended - One Semester.**
A student with less than a 2.0 GPA may appeal to the Admissions Committee with a typed request to be admitted on Academic Probation. The letter should include tbe student's phone numbers, major field of study, and semester they wish to attend.

The Admissions Committee

The purpose of the Admissions Committee is to review and decide on acceptance of students who do not meet the standard admissions requirement and the re-admittance of former students that have been suspended from Athens State University. Each student admitted through an admission committee appeal will have their records reviewed at the end of the term in which they were admitted/re-admitted for verification of acceptable performance.

The Admissions Office must receive the packet by the Admissions Committee Deadline which will be three weeks (21 days) after the beginning date for online registration each semester. If the student fails to meet the required deadline for applying to the Admissions Committee, he/she will be required to wait until the next semester for the Admissions Committee review.

The Admissions Committee must meet once per semester to review new applicants on probationary status.

SPECIAL ARRANGEMENT PROGRAMS:

- **Consortium Agreement**

Athens State University participates in a Consortium Agreement with The University of Alabama in Huntsville, Alabama A&M University, and Oakwood College. To participate in the program, the student:

1. must be considered a full-time student at Athens State University.
2. may take only one (1) consortium course per semester.
3. must maintain at least a "C" average. (2.0 on a 4.0 scale)
4. must secure faculty advisor's approval of the course to be taken.
5. may request participation **only** during pre and regular registration.
6. must not participate in Consortium agreement during the final semester in which graduation at Athens State University is anticipated. The course to be taken must not be available to the student at his/her home institution and it must be in his/her approved schedule and curriculum plan.

- **S.I.R. Agreement (Special Instructional Request)***

Athens State University and Calhoun Community College cooperate in a Special Instructional Request (S.I.R.) program. Grades are reported to the Athens State University Records Office and recorded on the student's Athens State University transcript. Students are subject to English and/or mathematics placement exam (ASSET) at Calhoun. Students registering for mathematics and English courses must contact the Placement Office at Calhoun. Students are not permitted to participate in S.I.R. during their final semester at ASU. (S.I.R. students are not allowed to take Calhoun telecourses or distance learning.) Registering for any course that is less than a 100 level is prohibited through the S.I.R. program. S.I.R. classes will not be counted as senior level courses in the general university requirements for graduation.

To participate in this program, the Athens State University student:

1. **must be deficient in one of the courses in the Gen. Ed. Requirements (Areas I-V).**
2. must receive approval of advisor.
3. must acquire course reference number from the Office of Academic Affairs
4. must register at the Admissions Office during the dates listed for online registration.
5. must pay ASU tuition for the S.I.R. course.
6. must process all S.I.R. withdrawals in ASU Admissions Office.
7. must register for an ASU course for every S.I.R. course.

Athens State University students are considered visiting students under the S.I.R. program and are placed in Calhoun courses only after all Calhoun students are registered.

STUDENT'S DROP AND ADD REQUIREMENTS

For a period specified in the University calendar immediately following registration periods, courses may be dropped and other courses added upon completion of the following requirements:

1. The student must complete the appropriate forms with the Admissions Office; and,
2. Make payments as required in the Financial Affairs Office. The student is responsible for notifying the academic advisor of schedule changes.

Prior to making a change in schedule, students receiving veteran's benefits must see the Coordinator of Veterans' Affairs; those receiving other financial aid should check with the Director of Student Financial Services.

RECORDS

All records are maintained in accordance with the *Family Education Rights and Privacy Act of 1974* (PL 93-380), known as the Buckley Amendment. In accordance with the Family Educational Rights and Privacy Act students of Athens State University have the right of access to their official records as described in the act. Each student and former student of Athens State University has the right to inspect his or her official educational records in the Records Office. This right of inspection does not apply to any confidential information submitted to this office prior to January 1, 1975, nor to access by students or former students to financial records of their parents. Under this act, the University may not release information concerning a student without the student's written permission. However, the following is a list of directory information which may be made available regarding students of the University without their prior consent and is considered part of the public record of their attendance: (1) name, (2) permanent and local addresses, (3) telephone listing, (4) date and place of birth, (5) major fields of study, (6) dates of attendance, (7) degrees and awards received, (8) high school and other colleges and universities attended, and (9) participation in officially recognized organizations, activities, and sports. The student is entitled to request in writing, that any or all of this information not be made publicly available prior to the end of the registration period for any given term.

STANDARDS OF ACADEMIC PROGRESS

The Athens State University policy for satisfactory academic progress is designed to assist the student in meeting and maintaining a level of achievement that will assure reasonable progress toward graduation. All students should be aware that a cumulative minimum grade point average of 2.0 on a 4.0 scale is required for graduation in all Colleges except the College of Education (graduates must have a 2.5/2.75--see College of Education guidelines for specifics and the College of Arts and Sciences graduates must have a 2.5 GPA in the appropriate majors). Students with probationary status at Athens State University cannot receive permission to take coursework from another institution. **Credit earned at another institution may not be used to clear probationary status at Athens State University.**

Academic Probation for Currently Enrolled Students

An academic review of each student's record occurs at the completion of each term. When a student is placed on a status of probation or suspension, University officials may provide intervention for the student by taking steps including, but not limited to, imposing maximum course loads and/or prescribing specific courses. Any student who was admitted on "clear"status and whose grade point average at Athens State University falls below 2.0 is immediately placed on academic probation.

Suspended--One Semester

A student whose subsequent grades in the next term do not meet the required 2.0 will be placed on One Term Academic Suspension. The transcript will read SUSPENDED--ONE SEMESTER. **If you are suspended, you will be withdrawn from classes that you have pre-registered for the next term.**

Suspended--One Semester/Readmitted

A student who is suspended for one semester may appeal to the Admissions Committee. (See "The Admissions Committee," page 15) If, after appeal, the student is readmitted without serving the one semester suspension, the transcript will read SUSPENDED--ONE SEMESTER/READMITTED UPON APPEAL.

Appeal Process

If a student declares no contest of the facts leading to suspension but simply wishes to request consideration for readmission, the student may submit a typed request for an "appeal for readmission" to the Admissions Committee (See "The Admissions Committee", page 15.)within a designated, published number of days of receipt of the notice of suspension. The decision of the Admissions Committee, together with the materials presented by the student, shall be placed in the college's official records. Equity, reasonability, and consistency shall be the standards by which such decisions are measured. Students will be notified in writing of the decision within 10 instructional days after receipt of the request for appeal. All requests for appeals must be received within 5 instructional days following receipt of notice of suspension.

Suspended--One Year

The student who is readmitted upon appeal reenters the institution upon Academic Probation. A student on Academic Probation after being suspended for one semester (whether the student has served the suspension or has been readmitted upon appeal) and who does not achieve a 2.0 at Athens State University in the subsequent semester will be placed on One Year Academic Suspension. The transcript will read SUSPENDED--ONE YEAR.

Suspended--One Year/Readmitted Upon Appeal

The student who is suspended for one year may appeal to the Admissions Committee (See "The Admissions Committee", page 15). If, after appeal, the student is readmitted without serving the one year suspension, the transcript will read SUSPENDED--ONE YEAR/READMITTED UPON APPEAL.

ACADEMIC BANKRUPTCY

According to State Board Policy, a student may request in writing to the Registrar to declare academic bankruptcy under the following conditions:

If fewer than three calendar years have elapsed since the semester for which the student wishes to declare bankruptcy, the student may declare academic bankruptcy on all coursework taken during that one semester provided the student has taken aminimum of 18 semester credit hours of coursework at the institution since the bankruptcy semester occurred. All coursework taken, even hours completed satisfactorily, during the semester for which academic bankruptcy is declared will be disregarded in the cumulative grade point average.

If three or more calendar years have elapsed since the most recent semester for which the student wishes to declare bankruptcy, the student may declare academic bankruptcy on all coursework taken during 1-3 semesters provided the student has taken a minimum of 18 semester credit hours of coursework at the institution since the bankruptcy semester occurred. All coursework taken, even hours completed satisfactorily, during the semester(s) for which academic bankruptcy is declared will be disregarded in the cumulative grade point average.

When academic bankruptcy is declared the term "ACADEMIC BANKRUPTCY" will be reflected on the transcript for each semester affected. When academic bankruptcy is declared, the transcript will reflect the semester of its implementation and the transcript will be stamped "ACADEMIC BANKRUPTCY IMPLEMENTED." A student may declare academic bankruptcy only once.

Implementation of academic bankruptcy at an institution does not guarantee that other institutions will approve such action. This determination will be made by the respective transfer institutions.

TRANSCRIPT REQUESTS FROM ATHENS STATE UNIVERSITY

The Records Office must have a written request from the student to have a transcript sent to another college, agency, place of employment, etc., or to the students themselves. OFFICIAL copies of transcripts must be mailed by the Records Office. Official copies of transcripts are not mailed to students. EXCEPTIONS are made if documentation is attached. The following information is helpful in processing your transcript request:

1. Date of Birth
2. Social Security Number
3. Approximate dates of attendance at Athens State
4. Signature (required)
5. Recipient of transcript's complete mailing address
6. All official and student copy's that are to be mailed/faxed will be charged a $5.00 fee (Official copies cannot be faxed).
7. First copy is free.
8. There is no charge for unofficial copies that are obtained in person from the Records Office.

Requests are normally processed within two to three days. There are longer delays during registration periods and at the end of the semester.

TRANSFER CREDIT RESTRICTIONS

After achieving junior status or sixty-four semester hours, a student may not transfer credit for courses taken at a junior college except by prior written permission from the dean of the appropriate school. A student's overall grade point average must be 2.0 or higher (transfer and Athens State University credits). No more than 64 semester hours of junior/community college credit will apply toward graduation degree requirements.

Transfer students who have completed a major before enrolling at Athens State University may be required to take selected courses for the major at this institution.

Course credit taken at the graduate level or applied toward a graduate degree will not be accepted at Athens State University or recorded on the Athens State University transcript. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State University degree program but will not affect the total hours residency required for that degree program.

TRANSFERABILITY AND APPLICABILITY OF COLLEGE CREDIT FROM OTHER INSTITUTIONS

Transferability refers to the condition under which the University accepts credits from other postsecondary institutions for inclusion in the student's records. Such course work must be relevant to the degree the student is seeking and will be evaluated as to content and level of instruction resulting in student competencies at least equivalent to those of students enrolled at Athens State University.

Applicability of credit toward a degree refers to the prerogative of the School to count specific credit toward the fulfillment of a student's degree requirements.

NON-TRADITIONAL ACADEMIC CREDIT

PHILOSOPHY AND PURPOSE

The non-traditional academic credit program at Athens State University is an acknowledgment of the philosophy that it is valid educational practice to recognize and award academic credit for various types of learning attained outside the institution. Such learning may have been acquired through certain educational programs conducted by government, business and industry, the military, and other non-collegiate organizations. In addition, non-traditional academic credit may be awarded for acceptable work experience, and/or technical training. The eligible Athens State University student may apply for non-traditional experiences and training to several programs of study leading to a baccalaureate degree.

ELIGIBILITY

The student who makes application for non-traditional academic credit must have maintained active and current enrollment as a degree seeking student at Athens State University for a minimum of one academic semester. Applicants for non-traditional academic credit are expected to have satisfied the admission standards as published in the Athens State University catalog. However, applicants who do not otherwise satisfy the minimum semester hour standards for admission, and who are eligible for one or more types of non-traditional credit may use work/military experience credit to justify admission to Athens State University provided:

1. The experience is judged to be equivalent to completion of a technical degree program in an accredited technical college.
2. The experience is judged to be not less than the minimum hours of college credit required of junior and senior college transfers.
3. The applicant has completed at least eighteen semester or thirty quarter hours of coursework at a regionally accredited institution.
4. The completed coursework includes Written Composition I and II, and Pre-calculus Algebra or the equivalent.
5. The applicant has maintained at least a 2.0 on a 4.0 scale on all coursework attempted.

Admission to Athens State University will be considered conditional until transcripts from all previously attended colleges and universities, and documentation for all non-traditional credits have been received and verified. All transcripts and non-traditional credit must be received within ten (10) weeks of the first semester of enrollment.

Official evaluations will be processed when (1) the applicant has presented proof of satisfactory completion of one semester at Athens State University, and (2) transcripts from all previously attended institutions have been recorded.

LIMITATIONS

- Credit from non-traditional sources will be granted only if such credit does not duplicate other academic credit.
- Non-traditional academic credit is granted only if such credit is applicable to the student's course of study.
- A maximum of sixty-four semester hours earned through non-traditional/non-graded sources may be applied toward a student's degree program.
- Applications for non-traditional academic credit will not be accepted during the student's final semester of enrollment.

PUBLICATION GUIDES

Publications used as guides in the office of Non-Traditional Credit are as follows:

- The American Council on Education (ACE)
- Guide to the Evaluation of Educational Experiences in the Armed Services.
- The National Guide to Educational Credit for Training Programs.
- Other guidebooks and manuals as provided by appropriate accrediting agencies.

TYPES OF NON-TRADITIONAL ACADEMIC CREDIT

The types of non-traditional academic credits processed by the Office of Non-Traditional Credit, the documentation requirements and the procedures to be followed are:

Military Training

United States Air Force members whose military experience has been accepted by the Community College of the Air Force, need not apply for non-traditional academic credit but should have transcripts forwarded from CCAF directly to the Admissions Office.

Academic credit may be awarded to students who have served in the Armed Forces and have completed specialized training provided the following documentation is received:

1. AARTS Transcript (For information on obtaining copies, go to http://aarts.army.mil)
2. SMART Transcript (For information on obtaining copies, go to https://www.navycollege.navy.mil/transcript.html)
3. Copies of DD214, DA21, DA20, and DD295.
4. Copies of certificates, awards, and/or other related military courses or training.

Military documentation will be evaluated in conformance with:

- **Military Occupational Specialties** (MOS)
 Appropriate college credit will be granted based on the exhibit date and the ACE course credit recommendation.

- **Military Education**
 Appropriate academic credit will be granted based on the date and place the course(s) was taken and the ACE course credit recommendation. Academic credit may be awarded at the lower division or upper division category in accordance with ACE recommendations. **Duplication of credits will not be granted.** The decision to accept academic credit from military evaluations toward specific courses in a degree program will be made by the student's academic advisor.

Career/Technical/Professional Education
Academic credit may be awarded for career and technical professional education provided the following documentation is received:

- Documentation for teaching professional education such as a letter from a director or president specifying length of tenure as a teacher, and validating the successful nature of the experiences.
- Documentation status card.
 a. Journeyman status card.
 b. Apprenticeship certificate.
 c. Journeyman examination credentials.
- Documentation of additional training.
 a. Any certificates, letters, or transcripts of additional technical training.
 b. Official transcripts from all previously attended educational institutions.
- A $100.00 non-refundable filing fee will be assessed for the evaluation process.

Career/technical experience may require validation by the National Occupational Competency Testing Institute (NOCTI) or another comparable examination of competency approved by the Postsecondary Education Services of the State Department of Education.

For certification requirements, at least three years of compensated career/technical work experience in the technical specialty is required for those who have completed a formal postsecondary technical training program; those who have not completed the formal technical training must have completed six years compensated work experience in the technical specialty. The decision to award career/technical/professional education credits will be made by the Career and Technical Education advisor, and the non-traditional academic credit evaluator.

Nursing And Other Health Related Professional Training
Academic credit may be awarded to a student who has completed a professional training program in nursing or other health related professions and holds a license. The following documentation is required:

- Official transcripts of educational training.
- Copy of license or proof of successful completion of a State Board Examination.
- Documentation and verification of work experience in related field, including dates of service and positions held.
- A $100.00 non-refundable filing fee will be assessed for the evaluation process.

The decision to accept nursing and other health related professional training toward specific courses will be made by the Health Sciences advisor, and the non-traditional academic credit evaluator.

Technical Work Experience Credit
Up to a maximum of 39 semester hours of academic credit may be awarded as a Basic Technical Specialty established through compensated work experience in selected technical fields. The Basic Technical Specialty is intended primarily to satisfy technology core requirements and is awarded as lower division block credit. The procedures for the evaluation of such credit are as follows:

- The student must present appropriate documentation of at least six or more years of successful compensated work experience in an approved technology. **Only one Basic Technical Specialty will be awarded.**
- The application must be made in writing to the evaluator of non-traditional academic credit.
- A non-refundable filing fee of $100.00 will be assessed for the evaluation process.

The decision to accept technical work experience toward a student's degree program will be made by the Academic Advisor and the dean of the appropriate academic school. The decision is final and absolute.

College Level Examination Program (CLEP) Academic Credit
Up to a maximum of twenty-seven (27) hours of senior college credit may be earned through the College Level Examination Program (CLEP). For more information regarding CLEP, please contact the Testing Coordinator at 256 233-6540. The Testing Coordinator's office is located on the first floor of Founders Hall.

Police Academies
Academic credit may be awarded to students who have completed police academy training and who have acceptable work experience with law enforcement agencies. The procedures for evaluation of such credit are as follows:

- The student must submit proof of police academy training.

- The student must submit letters of documentation from employers/supervisors indicating dates of service and positions held.
- A $100.00 non-refundable filing fee may be assessed for the evaluation process.

The decision to accept credit for police academy training will be made by the Justice Studies advisor, and the evaluator of non-traditional academic credit.

Public Safety Administration

Students majoring in Public Safety Administration may be eligible to obtain up to a maximum of twelve (12) semester hours upper-division academic credit for experience and advanced professional certification. Academic credit may be awarded for official professional certification in a public safety field and/or work experience in a public safety supervisory and/or administrative position. Credit for basic certification or credit previously awarded at another level or through another institution will not be duplicated.

Students meeting the qualifications for extra-institutional credit must register for particular courses in which the students' credentials are assessed and appropriate credits awarded. Each course is three (3) semester hours credit, and carries the standard per hour tuition. Students assume the responsibility for registering for the appropriate course(s) credits, and for submitting to their Public Safety Administration Faculty Advisor all appropriate certificate copies and documentation of appropriate work experiences. Students successfully documenting advanced professional skills and administrative experience will be awarded a score of "P" (passing) for appropriate coursework. Students may NOT register for this coursework their first term at Athens State University, but MUST register for this coursework prior to their last term registration.

- **PSA 459D Public Safety Supervisor** (Must provide a letter of appointment from agency)
- **PSA 460D Public Safety Manager/Administrator** (Must provide a letter of appointment from agency)
- **PSA 461D Paramedic** (Must provide a copy of certificate)
- **PSA 462D Haz-Mat Technician** (Must provide a copy of certificate)

The decision to award credit for Public Safety Administration evaluations will be made by the Public Safety Administration advisor.

Other Types Of Non-Traditional Academic Credit

Academic credit may be awarded from other professional organizations, Certification Boards, Associations, Government Agencies, and institutions provided proper documentation is submitted and accepted as appropriate and valid by the evaluator and respective college dean(s). There is a $100.00 non-refundable filing fee that will be assessed for the evaluation process.

For additional information on Non-Traditional Academic Credit, students should contact the Executive Assistant to theVice President of Student Affairs at 256-233-8268. The office is located upstairs in the Sandridge Student Center.

Athens State University does not accept continuing units (CEU's) for academic credit.

COUNSELING AND CAREER SERVICES

Counseling and Career Services is located in Room 230, upper floor of the Sandridge Student Center and includes: Personal and Career Counseling, Career Services, Cooperative Education, Student Employment Services, and Services for Students with Disabilities. Appointments may be made by calling 233-8285 between 8:00 a.m. and 4:30 p.m., Monday through Friday; other hours by appointment only. The office website is www.athens.edu/counseling.

COUNSELING

The Office of Counseling Services supports the educational mission of the University through a series of mental health support services aimed at enhancing academic and personal success, thus increasing student retention. Through confidential counseling sessions, the Office assists students with developmental or personal adjustment issues, impediments to academic success, and career transition concerns. All services are provided with strict guidelines mandated by institutional and regulatory policies to ensure students' right to privacy.

Counseling is provided through one-on-one counseling interviews, and, by using assessment instruments, when appropriate, to promote self understanding and self management. All counseling services are confidential. A licensed professional counselor is available. (www.athens.edu/counseling/counseling)

Career counseling is provided to assist students with the following: deciding upon and selecting a major field of study; measuring interests, abilities and values through assessment instruments in relation to selecting a career goal; and, providing job search information and resources related to making the transition from the University to full-time professional employment. Resources available include a career library, graduate school information, and employer information.

CAREER SERVICES AND COOPERATIVE EDUCATION

The Office of Career Services and Cooperative Education provides high quality services and resources to assist students choose and prepare for careers, learn job searching skills, and find employment. In addition, the Office provides cooperative education opportunities for students. The Office operates as a one-stop resource center hosting and participating in job fairs, disseminating job availability listings, and providing instruction and assistance on career planning, resume writing, and interviewing techniques.

Career Services includes an information center which emphasizes job search skill development and promotes employment opportunities for currently enrolled students and alumni. It is the aim of the Career Services Office to assist the student in making sound career choices and at the same time provide employers with well-qualified candidates. Career Services is intended to support the student's job search. Career Services provides information on employers and employment opportunities, resource materials, individual appointments, interview opportunities and job fairs. Career Services does not function as a placement agency and cannot guarantee employment. The job search is ultimately the candidate's responsibility. Students are encouraged to use the career services available to maximize employment opportunities upon graduation.

Student Employment (JLD) is a program referring currently enrolled students to part-time job positions available in northern Alabama and southern Tennessee. Eight job bulletin boards, which are updated bi-weekly, are located outside the Career Services Office (second floor of the Student Center), in Chasteen Hall, Founder's Hall, Waters Hall, in the Library, in the Classroom Building, Carter P.E. Building, and in McCain Hall. Job announcements are posted on Blackboard. Registered students are contacted via email.

Professional Referral Services will establish a credentials file for each graduating student and refer job candidates to employers who make requests for qualified job candidates. A credentials file consists of a registration form, signed authorization form and five copies of a resume. Education majors are additionally required to submit an unofficial transcript and three recommendations. Students are encouraged to register in Career Services at least six months before graduation. Students are encouraged to register on-line at www.athens.edu/counseling, under "Career Services." Registered students will receive job announcements via email.

Job Search Assistance is available on an individual basis by appointment. Professional staff will help with resume development and will assist individuals develop a personal job search plan.

Job Fairs

- **The Career Connections "Fall" Job Fair** is held each October on campus and is open to the public. The employers invited are primarily business and government.
- Athens State University participates as one of sixteen colleges in the ***Nashville Area College to Career Fair*** and the ***Nashville Area Teacher Recruitment Fair*** offered each spring semester to prepare students for a pro-active job search. Over 200 employers participate annually. Information on these events may be obtained at www.nashvillefairs.org.

- Students and Alumni are invited to participate in the ***North Alabama Connection: Professional Employment Day (NACPED)*** scheduled in Huntsville each February. This event began in 1985 and annually attracts over 150 employers seeking liberal arts, science, computer science, behavioral science, business and education graduates. Information on this event may be obtained at www.athens.edu/ counseling/NACPED/index.html.
- The **Education/Community Service Job Fair** is held each spring semester on campus and is open to the public. A variety of public and private school systems attend, as well as government and social service agencies.

- **Graduate School Information** is available through the Career Services Office and ASU Library. A Graduate School Information Day with national universities is scheduled in Huntsville each October, as part of the Alabama Graduate School Consortium. Local graduate schools are invited to participate in the Fall Career Fair in October on campus. Students are additionally encouraged to meet with their faculty advisor to discuss the planning process for applying to graduate school programs and how to put together a strong graduate school application. Check www.athens.edu/ counseling/graduate for helpful links.

COOPERATIVE EDUCATION

The Cooperative Education Program is designed to give students the opportunity to integrate their classroom study with practical work experience in their major field. Alternating parallel and special arranged plans are available. A combination of Cooperative Education credit hours earned in CP 301-308, CP 401-406, will not exceed eight semester hours of elective credit toward graduation (See Cooperative Education Course Descriptions.)

The Parallel Plan is a series of courses in which students are engaged in a work situation directly related to their academic major and attend classes concurrently. The parallel plan requires that the student work 15-40 hrs/week while attending classes. (One semester hour of elective credit is earned for the parallel plan.)

The Alternating Plan is a series of courses in which students are engaged in full-time study for one semester, then switch to full-time employment (forty hours per week) directly related to their academic major for the following semester. (Two semester hours of elective credit are earned each work semester for the alternating plan.)

Eligibility and Application Procedure

All students who have chosen a major field of study and enrolled at at Athens State University are eligible provided they meet the following criteria.

Student must:

- Be in good standing and maintain an overall GPA of 3.0. (Employers may require a higher G.P.A.)
- Intend to fulfill the requirements of the Co-Op Program and be a prospective candidate for graduation at Athens State University.
- Complete a "Cooperative Education Application" which is available online.
- Provide a copy of the latest unofficial college transcript, a current resume, and one letter of recommendation.
- Arrange for a preliminary interview with a member of the Cooperative Education staff to discuss career goals and preferred work assignments.

The Cooperative Education Office will nominate qualified students to employers based on employer requests and requirements.

Grading:

Grades are based on the employer's evaluation of the student's acquired knowledge and skills, the student's work report evaluation, class attendance, and the quality of reports/portfolio submitted by the student.

SERVICES FOR STUDENTS WITH DISABILITIES

Disabilities Services aims at ensuring that all academic programs, services and facilities are accessible to persons with disabilities. The Disability Services office advances equal opportunities for students with disabilities by providing a welcoming environment and the opportunity for academic success with as few deterrents as possible through reasonable and appropriate physical accommodations. The Disabilities Services Office (DSO) supports the University's retention and graduation goals through its attempt to retain and graduate students registered with Disability Services at the same rate as non-disabled students.

Athens State University fully supports and complies with the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973.

A disability is defined as a mental or physical impairment that substantially limits a major life activity, which includes learning. Some of the types of disabilities for which students have requested accommodations in the past include: visual, auditory, mobility, speech, LD, ADD/ADHD, closed head injury, psychological, and various chronic health issues.

A student with a disability who requires academic accommodations must schedule an appointment to see DSO staff prior to the start of the first semester at Athens State. An interview will be conducted to determine the extent of the disability and the types of academic accommodations provided by the University will be discussed in detail at that time.

The DSO provides individual assistance for students with disabilities: assistance with registration, counseling, auxiliary equipment, audio books, assistance locating notetakers and readers, interpreters, classroom accommodations, and liaison with faculty, Admissions, Financial Aid, and community resources. The type of academic accommodations provided varies with each individual's unique situation and specific needs. All information is handled confidentially 256-233-8285.

Students needing accommodations must be able to provide recent written documentation on letterhead from a physician, certified vocational rehabilitation counselor, psychologist or LPC, or prior postsecondary institution attended regarding the nature and extent of the disability, including recommendations for accommodations. This professional documentation will help the DSO determine those accommodations that will be most beneficial in an academidc environment. The Self-Evaluation Plan and Transition Plan for the campus are available through the University Library, as required by the ADA.

STUDENT ACTIVITIES

The Office of Student Activities aims at enhancing the social development of students by providing programs that offer cultural, recreational and personal growth opportunities and the development of leadership skills. Through its sponsorship and support of student extracurricular activities, the Office fosters a campus community within the context of a primarily commute and distance learning-strong University. The Office also promotes student representation in University governance via its strong support of the Student Government Association and oversees publication of the student newspaper, *The Athenian.*

Athens State University students are strongly encouraged to participate in campus extracurricular activities and to utilize the services provided by the University. Additional detailed information concerning these activities and services, the rules and regulations relative to student conduct, and student rights and responsibilities is found in the Student Handbook.

STUDENT GOVERNMENT ASSOCIATION

The Student Government Association shall be open to any student who is currently enrolled at Athens State University; who has completed the application, attends regular meetings, and participates in Student Activities sponsored events. Officers and organizational representatives are elected annually. The University organizational structure provides for and encourages democratic student involvement in the affairs of the University.

The Student Government Association meets at regular intervals and the meetings are open to all students who wish to observe the proceedings. Every student should feel at liberty to make suggestions to the Student Government Association, to any committee, or to any officer of the University administration.

CLUBS AND ORGANIZATIONS

See Student Handbook for "Clubs and Organizations."

STUDENT PUBLICATIONS

The Athenian. The university newspaper is The Athenian and provides an opportunity for students to develop in the field of journalism and to express themselves on campus issues. There are scholarships available for the assistant and editor positions. Please feel free to submit articles to the paper for publication. Check with *The Athenian* office in Student Activities for deadline dates and office hours.

The Gyre is an annual student publication which gives the student an outlet for creative writing. All stories and poems are student written.

DRUG AND ALCOHOL ABUSE PREVENTION POLICIES

Athens State University is a public educational institution of the state of Alabama and, as such, shall not permit on its premises, or at any activity which it sponsors, the possession, use, or distribution of any alcoholic beverage or any illicit drug by any student, employee, or visitor. In the event of the confirmation of such prohibited possession, use, or distribution by a student or employee, Athens State University shall, within the scope of applicable federal and state due process requirements, take such administrative or disciplinary action as is appropriate. For a student, the disciplinary action may include, but shall not be limited to, reprimand, or suspension or termination of employment or requirement that the employee participate in and/or successfully complete an appropriate rehabilitation program. Any visitor engaging in any act prohibited by this policy shall be called upon to immediately desist from such behavior.

If any employee, student, or visitor shall engage in any behavior prohibited by this policy which is also a violation of federal, state, or local law or ordinance, that employee, student, or visitor shall be subject to referral to law enforcement officials for arrest and prosecution.

LEGAL SANCTIONS REGARDING UNLAWFUL USE, POSSESSION, OR DISTRIBUTION OF ALCOHOLIC BEVERAGES AND ILLICIT DRUGS

State Offenses

Activities which violate Alabama laws concerning illicit possession, use, and distribution of alcoholic beverages or drugs include, but are not limited to, the following. (Those provisions which refer to drug "Schedules" are making reference to the authorization by the State Legislature for the State Board of Health to classify drugs in terms of their potential for abuse and their current usage in medical treatment. Schedule I consists primarily of "street drugs" such as heroin, morphine, marijuana, LSD, Mesaline, etc. Schedule II includes opium, cocaine, and methadone, among other illicit drugs. Schedule III drugs include those which have less potential for abuse than Schedule I or II, and those substances with the least potential for abuse are included in Schedules IV and V. The Schedules may be found at Code of Alabama (1975), Sec. 20-2-23, et. seq.)

1. Public intoxication is punishable by up to 30 days in jail. (Code of Alabama 1975), Sec. 13A-11-10.
2. Possession, consumption, or transportation of an alcoholic beverage by a person of less than 21 years of age is punishable by a fine of $25.00 - $100.00 or a 30-day jail term. (Code of Alabama, Sec. 28:1-5).
3. Possession or distribution of an alcoholic beverage in a dry county is punishable by a fine of $50.00 - $100.00 and, in the discretion of the judge, a jail sentence of up to six (6) months. (Code of Alabama, Sec. 28-4-20, et. seq.)
4. Possession of an alcoholic beverage illegally manufactured or illegally brought into the state of Alabama is punishable by a fine of $100.00 - $1,000.00 plus, in the discretion of the judge, a jail sentence of up to six (6) months. (Code of Alabama, Sec. 28-01-1).
5. Driving or being in actual physical control of a vehicle while under the influence of alcohol or other drugs is punishable, upon the first conviction, by a fine of $250.00 - $1,000 and/or one year in jail plus suspension of driver's license for 90 days. (Code of Alabama, Sec. 32-5A-191.)
6. Possession of marijuana for personal use is punishable by a fine of up to $2,000.00 and/or a jail sentence of up to one year. (Code of Alabama, Sec. 13A-12-214.)
7. Possession of marijuana for other than personal use is punishable by a fine of up to $5,000.00 and a prison sentence of not more than ten years. (Code of Alabama, Sec. 13A-12-213.)
8. The selling, furnishing, or giving away, manufacturing, delivery or distribution of a controlled substance listed in Schedules I-V of the Alabama Controlled Substance Act is punishable by a fine of up to $10,000.00 and/or a prison term of not more than 20 years. (Code of Alabama, Sec. 13A-12-211.)
9. The selling, furnishing or giving by a person 18 years or older to a person under the age of 18 years of age any controlled substance listed in Schedules I-V of the Alabama Controlled Substance Act is punishable by a fine up to $20,000.00 and a prison term of up to $20,000 and/or a prison term of up to life. (Code of Alabama, Sec. 13A-12-215.)
10. Possession of a controlled substance enumerated in Schedule I through V is punishable by a fine of not morethan $5,000.00 and/or a prison term of not more than 10 years. (Code of Alabama, Sec. 13A-12-212.)
11. Conviction for an unlawful sale of a controlled substance or, within a three mile radius of, an educational institution brings with it an additional penalty of 5 years of imprisonment with no provision for parole. (Code of Alabama, Sec. 13A-12-250.)
12. The use or possession with intent to use, of drug paraphernalia is punishable by up to three months in jail and/or a fine of up to $500.00. (Code of Alabama, Sec. 13A-12-260.)
13. The sale or delivery of, or possession with the intent to sell or deliver, drug paraphernalia is punishable by not more than 10 years in prison and/or a fine of up to $5,000.00. If the delivery or sale is to a person under 18 years of age, it is

punishable by up to 20 years in prison and/or a fine of up to $10,000.00 (Code of Alabama, Sec. 13A-12-260.)

Penalties for subsequent violations of the above-described provisions are progressively more severe than the initial convictions.

Federal Offenses

Activities which violate federal laws concerning illicit possession, use, and distribution of alcoholic beverages and drugs include, but are not limited to, the following: 21 U.S.C. 841 makes it a crime: (a) to manufacture, distribute, or dispense, or possess with intent to manufacture, distribute, or dispense, a controlled substance; or (b) to create, distribute, or dispense, or possess with intent to distribute or dispense, or counterfeit substance.

(The U.S. Code establishes, and authorizes the U.S. Attorney General to revise as needed, classifications of controlled substances. The drugs are each classified in one or m ore of five 'schedules," Schedule I being comprised essentially of "street drugs" and Schedule V being comprised of drugs with a "low potential for abuse" when compared with drugs in Schedules I-IV. Examples of Schedule I drugs are heroin and marijuana. PCT, for example, is a Schedule II drug. Amphetamine is a Schedule III drug, while Barbital is a Schedule IV drug. An example of a Schedule V drug would be a prescription medication with not more than 200 mg. of codeine per 100 grams.)

The penalties for a first offense conviction of violating the laws described in items (a) and (b) above are:

1. In the case of a Schedule I or II drug which is a narcotic drug, not more than $25,000, or both.
2. In the case of a Schedule II drug which is not a narcotic drug or in the case of a Schedule III drug, not more than five (5) years in prison, a fine of not more than $15,000.00, or both.
3. In the case of a Schedule IV drug, not more than three (3) years in prison, a fine of not more than $10,000.00 or both.
4. In the case of a Schedule V drug, not more than one (1) year in prison, a fine of not more than $5,000.00 or both.
5. Notwithstanding subparagraphs 91) through (4) above, the distribution of a small amount of marijuana for no remuneration is punishable by imprisonment of not more than one (1) year and/or a fine of not more than $5,000.00.
6. Notwithstanding subparagraph 91) through (4) above, the manufacture, possession, or distribution, or intent to manufacture, possess, or distribute pheneyclidine (PCP, "angel dust") is punishable by up to ten (10) years in prison and/or a fine of not more than $25,000.00.

Penalties for subsequent violations of these provisions are progressively more severe than for initial convictions.

Local Ordinances

The local authorities abide by the federal laws concerning illicit possession, use, and distribution of alcoholic beverages and drugs.

LIST OF HEALTH RISKS AND SYMPTOMS OF DRUG AND ALCOHOL USE AND ABUSE

The following is a list of some of the health risks and symptoms associated with the following categories of substances. It is not intended to be the final word on such health risks, since the scientific and medical communities will continue their research into and discoveries concerning the abusive use of drugs and alcohol.

Cannabis

1. Includes marijuana, hashish, hashish oil and tetrahydrocannabinol (THC).
2. Regularly observed physical effects of cannabis are a substantial increase in the heart rate, bloodshot eyes, a dry mouth and throat, and increased appetite.

Use of cannabis may impair or reduce short-term memory and comprehension, alter sense of time, and reduce ability to perform tasks requiring concentration and coordination, such as driving a car. Research also shows that students do not retain knowledge when they are "high". Motivation and cognition may be altered, making the acquisition of new information difficult. Marijuana smoke contains more cancer-causing agents than tobacco.
Long-term users of cannabis may develop psychological dependence and require more of the drug to get the same effect. The drug can become the center of their lives.

Cocaine

1. Includes cocaine in powder form and a "crack" in crystalline or pellet form.
2. Cocaine stimulates the central nervous system. Its immediate effects include dilated pupils and elevated blood pressure, heart rate, respiratory rate, and body temperature. Occasional use can cause a stuffy or runny nose, while chronic use can accelerate the mucus membranes of the nose. Injecting cocaine with unsterile equipment can cause AIDS, hepatitis, and other diseases. Preparation of freebase, which involves the use of volatile solvents, can result in death or injury from fire or explosion. Cocaine can produce psychological and physical dependency, a feeling that the user cannot function without the drug. In addition, tolerance develops rapidly.

Crack of freebase rock is extremely addictive, and its effects are felt within 10 seconds. The physical effects include dilated pupils, increased pulse rate, elevated blood pressure, insomnia, loss of appetite, tatile hallucinations, paranoia, and seizures. The use of cocaine can cause death by disrupting the brain's control of the heart and respiration.

Other Stimulants

1. Includes amphetamines and methamphetamines (speed); phenmetrazine (Preluding); methylphenidate (Ritalin); and "anorectic" (appetite suppresant) drugs such as Didrex, PreSate, etc.
2. Stimulants can cause increased heart and respiratory rates, elevated blood pressure, dilated pupils, and decreased appetite. In addition, users may experience sweating, headache, blurred vision, dizziness, sleeplessness, and anxiety. Extremely high doses can cause a rapid or irregular heartbeat, tremors, loss of coordination, and even physical collapse. An amphetamine injection creates a sudden increase in blood pressure that can result in stroke, very high fever, or heart failure.

In addition to the physical effects, users report feeling restless, anxious, and moody. Higher doses intensify the effects. Persons who use large amounts of amphetamines over a long period of time can develop an amphetamine psychosis that includes hallucinations, delusions, and paranoia. These symptoms usually disappear when drug use ceases.

Depressants

1. Includes such drugs as barbiturates, methaqualone (Quaaludes), and tranquilizers such as valium, librium, equanil, miltown, etc.
2. The effects of depressants are in many ways similar to the effects of alcohol. Small amounts can produce calmness and relaxed muscles, but somewhat larger doses can cause slurred speech, staggering gait, and altered perception. Very large doses can cause respiratory depression, coma, and death. The combination of depressants and alcohol can multiply the effects of the drugs, thereby multiplying the risks.

The use of depressants can cause both physical and psychological dependence. Regular use over time may result in a tolerance to the drug, leading the user to increase the quantity consumed. When regular users suddenly stop taking large doses, they may develop withdrawal symptoms ranging from restlessness, insomnia, and anxiety to convulsions and death. Babies born to mothers who abuse depressants during pregnancy may be physical dependent on the drugs and show withdrawal symptoms shortly after they are born. Birth defects and behavioral problems also may result.

Narcotics

1. Includes such substances as heroin, morphine, opium, and codeine as well as methadone, meperidine (Demerol), hydromorphine (Dilandin), and such drugs as Percocet, Percodan, Darvon, Talwin, etc.
2. Narcotics initially produce a feeling of euphoria that often is followed by drowsiness, nausea, and vomiting. Users also may experience constricted pupils, water eyes, and itching. An overdose may produce slow and shallow breathing, clammy skin, convulsions, coma, and possibly death.

Tolerance to narcotics develops rapidly and dependence is likely. The use of contaminated syringes may result in disease such as AIDS, endocarditis, and hepatitis. Addiction in pregnant women can lead to premature, stillborn, or addicted infants who experience severe withdrawal symptoms.

Hallucinogens

1. Includes phencylidien (PCP), lysertic acid diethylamide (LSD), mescaline, peyote, and psilocybin.
2. Phencyclidine (PCP) interrupts the functions of the neocortex, the section of the brain that controls the intellect and keeps instincts in check. Because the drug blocks pain receptors, violent PCP episodes may result in self-inflicted injuries.

The effects of PCP vary, but users frequently report a sense of distance and estrangement. Time and body movement are slowed down. Muscular coordination worsens and senses are dulled. Speech is blocked and incoherent.

Chronic users of PCP report persistent memory problems and speech difficulties. Some of these effects may last six months to a year following prolonged daily use. Mood disorders--depression, anxiety, and violent behavior--also occur. In later stages of chronic use, users often exhibit paranoid and violent behavior and experience hallucinations. Large doses may produce convulsions and coma, heart and lung failure, or ruptured blood vessels in the brain.

Lysergic acid (LSD), mescaline, and psilocybin cause illusions and hallucinations. The physical effects m ay include dilated pupils, elevated body temperature, increased heart rate and blood pressure, loss of appetite, sleeplessness, and tremors.

Sensations and feelings may change rapidly. It is common to have a bad psychological reaction to LSD, mescaline, or psilocybin. The user may experience panic, confusion, suspicion, anxiety, and loss of control. Delayed effects, or flashbacks, can occur even after use has ceased.

Inhalants

1. Includes such substances as nitrous oxide (laughing gas), amyl nitrite, butyl nitrite, chlorohy drocarbons (used in aerosol sprays), and hyro carbons (found in gasoline, glue, and paint thinner.

2. Immediate negative effects of inhalants include nausea, sneezing, coughing, nosebleeds, fatigue, lack of coordination, and loss of appetite. Solvents and aerosol sprays also decrease the heart and respiratory rates, and impair judgment. Amyl and butyl nitrite cause rapid pulse, headaches, and involuntary passing of urine and feces. Long-term use may result in hepatitis or brain hemorrhage.

Deeply inhaling the vapors, or using large amounts over a short period of time, may result in disorientation, violent behavior, unconsciousness, or death. High concentrations of inhalants can cause suffocation by displacing the oxygen in the lungs or by depressing the central nervous system to the point that breathing stops. Long-term use can cause weight loss, fatigue, electrolyte imbalance, and muscle fatigue. Repeated sniffing of concentrated vapors over time can permanently damage the nervous system.

Designer Drugs

1. Designer drugs include analogs of fetanyl and analogs of meperidine (synthetic heroin), analogs of amphetamines and methamphetamines (such as "Ectasy"), and analogs of pheneyclidine.
2. Illegal drugs are defined in terms of their chemical formulas. Underground chemists modify the molecular structure of certain illegal drugs to produce analogs known as designer drugs. These drugs can be several hundred times stronger than the drugs they are designed to imitate.

The narcotic analogs can cause symptoms such as those seek in Parkinson's disease - uncontrollable tremors, drooling, impaired speech, paralysis, and irreversible brain damage. Analogs of amphetamines and methamphetamines cause nausea, blurred vision, ckills or sweating, and faintness. Psychological effects include anxiety, depression, and paranoia. As little as one dose can cause brain damage. The analogs of pheneyclidine cause illusions, hallucinations, and impaired perception.

Alcohol

1. Ethyl alcohol, a natural substance formed by the fermentation that occurs when sugar reacts with yeast, is the major active ingredient in wine, beer, and distilled spirits.
2. Ethyl alcohol can produce feelings of well-being, sedation, intoxication, unconsciousness, or death, depending on how much is consumed and how fast it is consumed.

Alcohol is a "psychoactive" or mind-altering drug as are narcotics and tranquilizers. It can alter moods, cause changes in the body, and become habit-forming. Alcohol depresses the central nervous system and too much can cause slowed reactions, slurred speech, and unconsciousness.

Chronic use of alcohol has been associated with such diseases as alcoholism, and cancers of the liver, stomach, colon, larynx, esophagus, and breast. Alcohol abuse can also lead to damage to the brain, pancreas and kidneys; high blood pressure, heart attacks, and strokes; hepatitis and cirrhosis of the liver; stomach and duodenal ulcers; colitis; impotence and infertility; and premature aging. Abuse of alcohol has been linked to birth defects and Fetal Alcohol Syndrome.

WHERE TO GET ASSISTANCE

There is help available for persons who are in need of counseling or other treatment for substance abuse. Listed below are several agencies and organizations which can assist persons in need of such services.

On-Campus Assistance: The Coordinator of Student Affairs at Athens State University is available to students and employees of the University concerning information on substance abuse as well as information on, and assistance in obtaining counseling or other treatment.

National Toll-Free Hot Lines:

1. 1-800-662-HELP (M-F, 8:30 a.m. - 4:30 p.m.)
2. 1-800-241-9746 (M-F, 8:30 a.m. - 5:00 p.m.)
3. 1-800-COCAINE (M-F, 9:00 a.m. - 3:00 p.m.); (Sat.-Sun., 12:00 Noon - 3:00 p.m.)
4. 1-800-622-2255 National Council on Alcoholism
5. 1-800-SOBER-90 (24 hours) Council on Substance Abuse

STUDENT FINANCIAL SERVICES

Athens State University provides aid through various federal, state, and private sources. The Student Financial Services Office has two major objectives:

1. To supplement the efforts of the student and parents of the student in meeting educational costs.
2. To provide financial aid to students who would be unable to attend this institution without such assistance.

The Office of Student Financial Services supports the University goal of providing postsecondary education opportunities by assisting qualified Athens State University students pursue their educational goals with funds from grants,

scholarships, loans, and Work Study from federal, state, and private sources. The Office is committed to meeting the following goals:

- ensure compliance with federal, state and institutional regulations and policy requirements governing student financial aid services,
- maintain funding sources by ensuring program integrity through ongoing staff training and continuing education, external audits, and self evaluations,
- maximize funds available for Athens State University students to meet their costs of attendance, supplementing the efforts of students and parents in meeting educational goals, and
- providing quality financial assistance services effectively and efficiently.

The Student Financial Services Office of Athens State University is located in the Classroom Building, Suite 105, first floor, East entrance. Phone: 1-800-522-0272, ext. 122, or 233-8170.

APPLYING FOR AID

The Student must apply for aid each academic year. The recommended application process is via the web @www.fafsa.ed.gov. This site will allow the student (and parent) to apply for federal student aid programs at the Free Application for Federal Student Aid site. The processed application will determine a student's eligibility for grant and loan programs. Results of this application will be mailed to the student and electronically transmitted to each school listed in the student's application. The Athens State University School Code is 001008.

Use of a U.S. Department of Education PIN number will speed the application process. A PIN is available online www.pin.ed.gov. The PIN acts as the student's electronic signature for the FAFSA, renewal FAFSA and Master Promissory Note for student loans. The PIN allows a student to access his/her online aid history as well as correct the Student Aid Report electronically. A student's PIN can be mailed in 7 to 10 days or emailed the same day or request. STUDENTS MUST KEEP THE PIN IN A SAFE PLACE—OUR OFFICE DOES NOT HAVE ACCESS TO STUDENT PINS.

Students requesting loan funding must also meet the one- time requirements of an online entrance counseling session and an online Master Promissory Note. The entrance counseling is available www.dlservicer.ed.gov. The Master Promissory note requires a USDE pin to complete and is available @ http://dlenote.ed.gov. The student should notify the Financial Aid Office when both steps are complete. Complete processing details are available at our web site: http://www.athens.edu/financial/index.php

SATISFACTORY ACADEMIC PRGRESS STANDARDS

All undergraduate students must comply with the Federal Requirements for Satisfactory Academic Progress as outlined below:

- The student must maintain a 2.0 GPA at Athens State University (ASU) and Overall.
- The student must successfully complete 67% of all ASU coursework attempted. All W's, I's, F's and audited coursework count as unsuccessful completions. When unsuccessful completions exceed 33% of all coursework attempted, financial aid will be suspended.
- The student must complete first bachelor's degree requirements within 150% of the usual time frame for degree completion. ASU requires up to 128 semester hours to earn a first undergraduate degree. Therefore, financial aid will be available for no more than 192 semester hours of credit.
- Students seeking an additional degree must complete the requirements within 130% of the time frame for the degree. An advisor's plan of study is required to be on file in Financial Aid for all students pursuing an additional degree. The student must follow this plan. Therefore, if the plan of study calls for an additional 66 hours of study, financial aid will be available for no more than 86 semester hours of credit beyond the first degree. The additional undergraduate degree must be one in which ASU will award an additional degree. This may not be an additional major or minor, but must be for a new degree program. For example, if the student has a B.S. degree, the additional degree must be for a B.A. or B.S.Ed. to be eligible for additional financial aid. The student must maintain a 2.0 on all coursework beyond the most recent bachelor's degree.
- Students seeking a state required teaching certification or certificate program must complete the requirements within 130% of the time frame for the certification. An advisor's plan of study is required to be on file in Financial Aid for all students pursuing course work toward a certification. The student must follow this plan. Therefore, if the plan of study calls for an additional 24 hours of study, financial aid will be available for no more than 31 hours of credit. The student must maintain a 2.0 on all coursework beyond the most recent bachelor's degree.

All accepted transfer work will be counted in this calculation. Noncredit remedial courses are not included in the calculation. Repeated courses and courses for which the student has been granted academic bankruptcy are included in the calculation of both attempted and earned hours. Students changing majors will not have additional time allowed for goal accomplishment. Students are considered to be on probation the first term of enrollment. Compliance is checked at the end of each term. Students not in compliance are suspended. Students are notified via the student email account of suspension and steps for appeal and/or reinstatement of aid.

STUDENT APPEALS/REINSTATEMENT PROCESS:

The student may appeal the financial aid suspension due to GPA or withdrawal issues by writing a letter of appeal to the Assistant Director of Student Financial Services. The appeal must state the reasons the student did not achieve the requirements and the reasons why aid should not be terminated. In addition, the student must submit a plan of study (an outline of remaining courses necessary to complete the degree), *signed by the student's faculty advisor.* The student should meet with their advisor to review what is required to complete their degree; this should include a review of all general education courses, pre-professional courses, and professional courses required for a student's declared major. An appeal will not be reviewed until a complete plan of study has been submitted to our office.

An answer to this appeal will be provided in writing to the student within one week under normal circumstances. Students with approved appeals will have aid reinstated. Reinstatement continues until the student has regained satisfactory academic standards, provided the student has no W's, I's or F's in the enrollment period of the reinstatement.

Students may appeal the decision of the Assistant Director, in writing, to the Financial Aid Committee. The Committee will review the appeal and notify the student in writing. The committee reviews appeals once per term, near the beginning of the term. Decisions of the Committee are final.

Other than by appeal, Financial Aid is reinstated when the Student Financial Services Office has reviewed documentation of compliance with the Satisfactory Academic Progress Policy. Generally, the student must self pay for courses required to regain compliance with the Satisfactory Academic Progress Policy.

Special Note to students failing to meet the requirements due to excessive attempted hours of course work. You may wish to discuss with your advisor the option of a first degree in liberal studies with the hours on your transcript.

FINANCIAL AID PROGRAMS

Federal Pell Grant Program

This program is designed to provide financial assistance to persons at the undergraduate level who need funds to attend a post high school educational institution. The actual size of a grant award will depend upon the family's financial situation, the amount of funds actually available for the program each year and the cost of education. For the Pell Grant program, an undergraduate is one who has not earned a bachelor's or first professional degree. Pell Grants provide a "foundation" of financial aid to which aid from other Federal and non-Federal sources may be added. All paperwork must be submitted to the Student Financial Services Office during the period of enrollment for payment. The final academic year deadline is the third week of the summer term.

National SMART Grant Program

This program will provide up to $4,000 for each of the third and fourth years of undergraduate study to at least half-time students who are U.S. citizens, eligible for a Federal Pell Grant, and majoring in physical, life, or computer sciences, mathematics, technology, or engineering or in a foreign language determined critical to national security. The student must also have maintained a cumulative grade point average (GPA) of at least 3.0 in coursework required for the major. The National SMART Grant award is in addition to the student's Pell Grant award. To be eligible for each academic year, a student must:

- Be a U.S citizen
- Be a Federal Pell Grant recipient
- Be enrolled at least half-time in a degree program
- Be enrolled in a four-year degree-granting institution
- Have at least a cumulative 3.0 grade point average on a 4.0 scale; and
- Major in Biology, Chemistry, Computer Science, General Science, or Mathematics.

Federal Supplemental Educational Opportunity Grant

This program has the single purpose of making a University education available to qualified applicants who demonstrate "exceptional financial need." In determining the priority order in which students will be awarded SEOG funds in any given year, Federal regulations require the school to give first consideration to those students with exceptional financial need demonstrated by the Pell Grant recipients with the lowest Expected Family Contribution in that year. This program is for students who have not earned a bachelor's degree or first professional degree.

Federal TEACH Grant Program

The TEACH Grant Program provides up to $4,000 a year in grant aid to Athens State University undergraduate students with majors in:

Bachelor of Science in Education - Collaborative Teacher (K-6)
Bachelor of Science in Education - Collaborative Teacher (6-12)
Bachelor of Science in Biology/Licensure (6-12)
Bachelor of Science in Chemistry/Licensure (6-12)
Bachelor of Science in General Science/Licensure (6-12)
Bachelor of Science in Mathematics/Licensure (6-12 or;

***Students pursuing an additional bachelor's degree or a post baccalaureate certification will not be eligible for the TEACH grant program.

Eligible undergraduate students may not receive more than $8,000 in total TEACH Grants at Athens State University. Please select this link: http://studentaid.ed.gov/PORTALSWebApp/students/english/TEACH.jsp to go to the U. S. Department of Education's website to view Conditions, Student Eligibility Requirements, High-Need Fields, Schools Serving Low-Income Students, and TEACH Grant Agreement to Serve.

IMPORTANT REMINDER: If you receive a TEACH Grant but do not complete the required teaching service, as explained above, you will be required to repay the grants as a Federal Direct Unsubsidized Stafford Loan, with interest charged from the date of each TEACH Grant disbursement.

Federal Work-Study Program

This program is designed to help students pay for part or all of their educational expenses by working part-time on campus, in coordination with their class schedules. This program is available on the basis of need as defined by the student's Pell Grant information. All requirements and conditions for employment under the University Work-Study Program are available in the Student Financial Services Office.

Federal Direct Loan Program

Federal Direct Subsidized Loans—provides students the opportunity to borrow funds for education costs at low interest rates. For students with a defined need, the federal government subsidizes the interest during the certain specified periods.

Federal Direct Unsubsidized Loans—for students with no defined need the federal government provides loan funds with low interest rates, but does not subsidize the interest. Interest accrues to the student while enrolled in school.

Federal Direct PLUS Loans-provides parents the opportunity to borrow funds for their dependent undergraduate student enrolled at least half time in an eligible program at an eligible school. PLUS loans **require an acceptable credit history.** Parents may borrow up to the cost of education less other financial aid offered to the student. Repayment for PLUS loans begins 60 days after the last disbursement.

Athens State University does not certify loans to or for students on academic probation or for students failing to meet satisfactory academic progress standards as outlined on the preceding section.

STATE PROGRAMS

WIA -- Alabama Workforce Investment Act

This program is a State/Federal Aid program designed to prepare youth and unskilled adults for entry into the labor market and to provide dislocated workers with retraining opportunities that will facilitate their re-entry into the labor market. Students must be referred by a state employment office.

TRA -- Trade Readjustment Allowance

This program is a State Aid program designed to assist individuals who became unemployed as a result of increased imports to return to suitable employment. Students must be referred by a state employment office.

Alabama Assistance Grant Program

This program is a State/Federal Aid Program designed to provide assistance to residents of the State of Alabama. The program is need based and offers awards based on the Pell need analysis to students with demonstrated "exceptional need."

ELIGIBILITY REQUIREMENTS FOR FEDERAL AID PROGRAMS

1. U. S. citizen or eligible non-citizen
2. Registered with Selective Service (if required)
3. Working toward a degree or certificate
4. Making satisfactory academic progress
5. Not owe a refund on a federal grant or be in default of a federal educational loan
6. Demonstrate financial need via the application process
7. Not receiving aid at more than one school during the same enrollment period

STUDENT RESPONSIBILITIES

It is the **responsibility** of the **student** to:

1. review and consider all information about a school's program BEFORE enrolling.
2. pay special attention to the application for student financial aid, complete it accurately, and submit it on time to the right place. Errors can delay or prevent receiving aid.
3. know all the deadlines for applying or reapplying for aid and meet them.
4. provide all documentation, corrections, and/or new information requested by either the Student Financial Services Office or the agency to which the application was submitted.
5. notify the university of any information that has changed since application was made for financial aid.
6. read, understand and keep copies of all forms requiring signature.
7. repay any student loans he/she has. When a student signs a promissory note, he/she is agreeing to repay the loan.
8. attend an entrance and exit interview at the university if you have a Federal Direct Student Loan.
9. notify the university of any change in name, address, or attendance status. If a student has a loan, the student must also notify the lender of any changes.

10. satisfactorily perform the work agreed upon, if employed for a federal work-study job.
11. understand the university's refund policy as outlined in this publication.

STUDENT RIGHTS

The **student has the right** to ask a university:

1. for the names of the university's accrediting and licensing organizations.
2. for a copy of the documents describing the institution's accreditation or licensing.
3. about its programs, its instructional, laboratory, and other physical facilities, and its faculty.
4. what the cost of attending is, and what its policy is on refunds to students who drop out.
5. what financial assistance is available, including information on all Federal, state, local, private and institutional financial aid programs.
6. who its financial aid personnel are, where they're located, and how to contact them for information.
7. what the procedures and deadlines are for submitting applications for each available financial aid program.
8. how it selects financial aid recipients.
9. how it determines financial need, including cost of education and resources available.
10. how much of one's need, as determined by the university, had been met.
11. how and when one receives financial aid.
12. to explain each type and amount of assistance in the financial aid package.
13. what the interest rate is on any student loan, the total amount to be repaid, when length of time for repayment and when repayment must start, and what cancellation or deferment provisions apply.
14. if offered a federal work-study job—what kind of job it is, what hours are to be worked, what the duties will be, what the rate of pay will be, and how and when wages will be paid.
15. to reconsider an aid package, if the student believes a mistake has been made, or if enrollment or financial circumstances have changed.
16. how the university determines whether a student is making satisfactory progress, and outcomes of unsatisfactory progress.
17. what special facilities and services are available to persons with disabilities.

TESTING INFORMATION

The Office of Testing Services supports the educational mission of the University by providing a unique blend of personal service and customized technology to meet some student testing and university admission informational needs. In addition to providing proctored exams in a collective or individual setting the Office provides services for the following tests: College Level Exam Program (CLEP), Defense Activities for Non-Traditional Educaiton Support (DANTES), Miller Analogies Test (MAT) and the Office also offers testing services for program exit exams and provides tutoring for the MAT.

Athens State University offers certain testing programs for the convenience of Athens State University students and the community. Information and registration packets pertaining to these programs are available in the Testing Office in Founders Hall, 233-6540.

Testing services offered through Athens State University:

ADAI	1. Tests administered for Alabama Department of Agriculture and Industries licensure
APTT	2. Assessment administered for Alabama Prospective Teacher by College of Education
CLEP	3. Tests administered for College Level Examinations Program
DANTES	4. Tests administered for Defense Activity for Non-Traditional Educational Support
GRE, GMAT	5. Information and registration bulletins are available
LSAT, MCAT	6. Information and registration bulletins are available
MAPP	7. All new students attending Athens State University are required to take the Measure of Academic Proficiency and Progress (MAPP) examination prior to the mid-term exam in their first term of enrollment.
MAT	8. Test administered for Miller Analogies
PRAXIS II	9. Content Knowledge Exams by College of Education
Proctored Exams	10. Proctored exams for Distance Learning courses for ASU and other colleges, universities, and agencies

TRANSFER CENTER

The Transfer Center serves as a centralized service office providing credit transfer advise to incoming students. The Center has vested authority to determine the acceptability of any given course to satisfy a general education requirement and clear students for graduation in the area. Given the unique nature of Athens State University as the baccalaureate degree granting institution of the Alabama Community College System, offering coursework exclusively at the junior and senior level, the Center is instrumental in providing consistency to the transfer eligibility of general education courses. In coordination with the Admissions and Records Office, Transfer Center counselors assist students with transfer credit, complete unofficial plans of study, and assign faculty advisors in the student's chosen major area. In supporting the University mission, the Transfer Center is committed to the achievement of the following goals:

- fulfill the intent of the statewide articulation agreement;
- provide timely and accurate information to incoming students regarding the transferability of credits; and
- ensure student satisfaction with the services provided.

All students transferring to ASU should contact a Transfer Center Counselor upon completion of an application for admission. Transfer Center Counselors can work with students who provide an unofficial student copy of transcript(s), however, the Office of Admissions must have an **official** transcript(s) from all colleges attended mailed to them before or during the students first semester at ASU.

The Transfer Center is located in the Sandridge Student Center. Regular office hours are 8:00 a.m. to 4:30 p.m. Walk-ins are welcome, however, appointments are recommended.

The Transfer Center can work with students by appointment, phone, fax, email or regular mail. Contact any Transfer Center Counselor for assistance; however, each Counselor specializes in the general education requirements for their specific area. Students who have decided on a major should contact the designated Counselor:

- College of Arts and Sciences: Barry DeVine, Transfer Center Counselor, 256-233-8277.
- College of Business: Vicki Johnson, Transfer Center Counselor, 256-233-8216.
- College of Education: Wanda G. Pryor, Transfer Center Counselor 256-233-8146.
- Coordinator, Transfer Center/Veterans Affairs: Lisa C. Payne 256-233-8124.

The **fax number** for the Transfer Center is 256-216-3333.

VETERANS' AFFAIRS

The Veterans' Educational Assistance Program at Athens State University is based on the rules, regulations, policies and procedures of the Veterans' Administration and as such is subject to change without notice.

VETERANS EDUCATIONAL ASSISTANCE PROGRAMS:

- **Montgomery G.I. Bill - Active Duty Educational Assistance Program (Chapter 30 of Title 38, U. S. Code).**
- **Montgomery G.I. Bill - Selective Reserve Educational Assistant Program (Chapter 1606, formerly Chapter 106, of Title 10, U.S. Code).**
- **Post 9/11 GI Bill - Chapter 33**
- **Vocational Rehabilitation - Chapter 31**
 This program provides educational assistance to disabled veterans who are in need of vocational rehabilitation. To be eligible a veteran must have a service-connected disability entitling him/her to these benefits. An award authorization must be received by the Office of Veterans' Affairs before benefits can be used.
- **Survivors' and Dependents' Educational Assistance Program (Chapter 35 of Title 38, U. S. Code).**
 Paperwork for state benefits (tuition, fees, books) should be processed through the Business Office. Federal benefits (monthly checks) should be processed through the Office of Veterans' Affairs.
- **Reserve Educational Assistance Program (REAP) - (Chapter 1607).**
 This Education Benefit is available to certain individuals who were activated on or after September 11, 2001. (H.R. 4200 authorizing the creation of a new education benefit signed into law on October 28, 2004.)

SELECTION OF PROGRAM

In consultation with a Transfer Center counselor or an academic advisor, each veteran student must select and plan a program in accordance with the Athens State University catalog. Assistance in determining a course of study or a change of program will be furnished by the Veterans' Affairs Office with concurrence of an academic advisor.

COURSE LOAD

A full-time course load for a student receiving veterans' benefits is twelve semester hours or more for fall and spring semesters; a three-quarter time load is nine semester hours, a one-half time load is six semester hours. Summer term (based on ten weeks) for a full time student is 7 semester hours or more and three-quarter time load is six semester hours. Less than six semester hours is considered less than one-half time. Current VA regulations apply for all short term courses which do not satisfy the minimum amount of contact hours per week, regardless of the amount of credit hours earned for such courses. For complete information regarding "short term courses" contact the Office of Veterans' Affairs.

REPEATED COURSES FOR VETERANS RECEIVING EDUCATIONAL BENEFITS

If a veteran fails a required course, he/she may repeat that course with pay. However, he/she cannot repeat a course just to improve a grade and receive payment through the Veterans Administration. (See also Repeated Courses).

STANDARDS OF PROGRESS

The following standards must be met in order for veterans or other eligible persons to receive VA benefits:

1. Grading system as required by the academic standards of the university.
2. Satisfactory grade level as required by the academic standards of the university.

3. Probation and probationary periods as required by the academic standards of the university.
4. Conditions for dismissal, suspension, and readmission as required by the academic standards of the university.
5. Satisfactory student conduct as required by the rules and regulations of the university.

WITHDRAWAL POLICY

Students who receive veterans' benefits must notify the Office of Veterans' Affairs when dropping or adding a course or when withdrawing. Each withdrawal or drop resulting in a reduction in the course load must show the effective date of the change and the reason for the change. The withdrawal policies of the university also apply.

VETERAN PAYMENTS AND RESPONSIBILITIES

Receipt of Checks

A student who completes an Application for Education Benefits or Change of Place of Training Form at the beginning of the semester should expect a VA processing period of about six weeks. If the estimated time has elapsed, the student should contact the Office of Veterans' Affairs immediately and, if the case warrants, an inquiry will be made to the Regional Office.

Payment

Athens State University does not participate in the advance payment plan for veterans, therefore, tuition and fees must be paid in full by the published payment date (except for those veterans receiving Vocational Rehabilitation). Veterans receiving Vocational Rehabilitation are eligible to register without payment of tuition and fees providing that an award authorization from the VA Vocational Rehabilitation office has been received prior to the registration period.

Overpayments

Each veteran drawing benefits should be aware that it is his or her responsibility to comply strictly with the policies and procedures which govern the receipt of educational benefits. Any overpayment created through non-compliance with veterans' policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

Responsibilities

It is the responsibility of the veteran and dependents receiving VA benefits to notify the Office of Veterans' Affairs by email of the following:

- Periods of enrollment (class schedule each semester)
- Major change
- Catalog changes
- Prospective graduation date
- Changes (Drop and/or adds, credit level)
- Course substitution (approval must be obtained prior to enrolling in course)
- Address change

TUTORIAL ASSISTANCE PROGRAM

Veterans enrolled on a half-time or greater basis may receive a special allowance for individual tutoring. To qualify, the veteran must demonstrate deficiency in a subject making tutoring necessary. Each tutor's qualifications must be reviewed and approved by the Office of Veterans' Affairs. It is the student's responsibility to secure a tutor. The tutor may be anyone except a family member.

FINANCIAL AFFAIRS

Athens State University is committed to providing a quality educational program at the lowest possible cost. Therefore, Athens State University is especially committed to a professional and businesslike approach in the management of its financial resources.

TUITION

Tuition and fees are subject to change at any point of time, subject to approval of the Alabama State Board of Education.

Alabama Residents

The Alabama resident tuition is one hundred and twenty-eight dollars ($128.00) per semester hour. Payment due dates are posted in the schedule. No student will be allowed to defer payments.

Out-of-State and Foreign Students

The out-of-state residents or non-U.S. citizens who do not meet Alabama residence requirements tuition is two hundred and fifty-five dollars ($255.00) per semester hour.

Senior Adult Scholarship Program

This program allows any student 60 years or older (meeting admissions requirements) to receive a tuition waiver for college credit courses. All other fees are the responsibility of the student. This is on a space available basis and requires registration during the late registration process.

SCHEDULE OF FEES

Facilities Renewal Fee	$9.00/semester hour
Technology Fee	$9.00/semester hour
Special Building Fee	$6.00/semester hour
Auditing Fee per hour	1/2 of current tuition rate
Distance Learning Fee	$35.00
Application/Transfer Fee	$ 30.00
Teaching Internship (Pending State Board approval)	$ 180.00
Lab Fee (as specified per course)	$ 53.00
Late Registration Fee	$ 25.00
Transcript of Grades (after first request)	$ 5.00
Graduation Fee	$ 50.00
Late graduation application fee	$ 25.00
Diploma reorder	$ 13.00
Replacement Diploma	$ 25.00
Graduation Reapplication Fee	$ 13.00
Returned Check Fee	$ 30.00
I.D. Card (picture) replacement	$ 5.00
Student parking	$ 10.00

All Fees and rates are subject to change. New rates and fees will be posted on the ASU website @ www.athens.edu.

REFUND POLICY

The current Refund Policy is as follows. The current semester schedule should be consulted for any changes.

The Refund Policy 803.02 stated below became effective June 1, 2009. This policy was revised by the Alabama State Board of Education which defines refund rules relating to student drops and withdrawals effective for Fall Semester 2009. As part of this revision, the following wording was adopted to address multiple parts of term. The policy states: "The 'first day of class' is the first day classes are offered within any term configuration, including, but not limited to, full terms, split terms, mini-terms, and weekend terms." It is not an institutional policy but is mandated by the Alabama Department of Postsecondary Education for all colleges and universities under its control. Athens State University is under the control of Alabama Department of Postsecondary Education and must comply with this policy.

1.1 Refund for Complete Withdrawal

A student who officially or unofficially withdraws from all classes **before the first day of the semester** will be refunded the total tuition and other institutional charges.

A student who officially or unofficially withdraws completely on or after the first official day of the semester but prior to the end of the third week of class for all regular full time classes will be refunded according to the withdrawal date as follows:

Prior to the first day of the semester:
100% refund for any and all classes dropped

Drop/Add period
Partial withdrawal - 100% refund, less 5% administration fee.
Complete withdrawal - 75% refund, less 5% administration fee.

1st Week after drop/add:
Partial withdrawal - NO REFUNDS DUE.
Complete withdrawal - 50% refund, less 5% administration fee.

2nd Week after drop/add:
Partial withdrawal - NO REFUNDS DUE.
Complete withdrawal - 25% refund, less 5% administration fee.

No Refund Due at the beginning of the 3rd week after drop/add.

IMPORTANT: "The 'first day of class' is the first day classes are offered within any term configuration, including, but not limited to, full terms, split terms, mini-terms, and weekend terms."

For calculating refunds during the fall and spring sixteen-week terms, a "week" is defined as seven calendar days. Refunds of tuition for terms shorter than sixteen weeks, such as summer terms, mini-terms, split terms, and weekend terms, will reflect a prorated week based on the number of days in the term.

1.2 Administrative Fee
An administrative fee not to exceed 5% of tuition and other institutional charges or $100, whichever is smaller, shall be assessed for each withdrawal within the period beginning the first day of class and ending at the end of the third week of class.

1.3 Late Registration Fee
Students who register after classes begin will be charged a $25.00 Late Registration Fee.

2.1 Refund for Partial Withdrawal
Students who do not completely withdraw from the University but drop a class during the regular drop/add period will be refunded the difference in tuition paid and the tuition rate applicable to the reduced number of hours, including fees appropriate to the classes dropped. **There is no refund due to a student who partially withdraws after the official drop/add period.**

3.1 Refund in Compliance With Federal Regulations
All colleges shall comply with federal regulations relative to refund of tuition and other institutional charges for Title IV recipients (Other institutional charges (PELL, SEOG, loans).

4.1 Refund for Alabama National Guard and Reservists Called to Active Duty
Students who are active members of the Alabama National Guard or reservists or who are active duty military who are called to active duty in the time of national crisis shall receive a full tuition refund at the time of withdrawal, if such student is unable to complete the term due to active duty orders or assignment to another location.

REFUND POLICY FOR STUDENTS RECEIVING FEDERAL TITLE IV AID (FinancialAid)

Title IV funds are awarded to students under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student fails to complete the term, the student may no longer be eligible for the full amount of Title IV funds he or she was scheduled to receive.

The Title IV Programs included in this policy are Pell Grant, Federal Supplemental Education Opportunity Grant, Smart Grant, TEACH Grant or Federal Direct Loans. Federal Work- Study funds are not included in this policy. The federal refund regulations require Athens State University to determine the amount of aid "earned" by each Financial Aid Student receiving title IV aid and withdrawing from all of his or her classes prior to the 60% point in the term. Students completing 60% of the term are considered to have "earned" 100% of the Title IV funds he or she was scheduled to receive during the period.

Any student earning a passing grade in at least one course for the term are not subject to the Return to Title IV Funds Policy. Students are encouraged to check with the Office of Student Financial Services prior to withdrawing or dropping out of the term.

Calculations are performed based on the student's official withdrawal date or for unofficial withdrawals, the last date of an academically related activity that the student participated in, the mid point of the term, or the date the school determines the student ceased attendance due to illness, accident, grievous personal loss or other circumstances beyond the student's control. Unofficial withdrawals dates are determined by the faculty, identifying the last date of activity for courses where a student earned an 'F', 'I', or 'W'.

The withdrawal date must be determined within 30 days of the end of the term, academic year or student's program, whichever is earlier.

The institution must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of the determination of the date of the student's withdrawal. Athens State University offers all degree programs in a credit hour, term based format. As a credit hour, term based degree program, the following formula is used to compute aid to be returned:

(Days Enrolled/ Days in Term) x Title IV Aid Awarded and Disbursed = Aid Earned
Aid Disbursed - Aid Earned = Aid to be Returned
(Any break of five days or more is not counted as part of the days in the term.)

Order of Funds to Return

- Federal Direct Unsubsidized Loans
- Federal Direct Subsidized Loans
- Federal PLUS Loans
- Federal Pell Grant
- National SMART Grant
- Federal TEACH Grant
- Federal Supplemental Education Opportunity Grant

If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds and the student would be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student borrower will owe a debit balance to the institution.

If a student earned more aid than was disbursed to him/her, the institution will owe the student a post-withdrawal disbursement, to be paid within 120 days of the student's withdrawal.

This policy does not limit the Refund Policy mandated by the Alabama Department of Postsecondary Education.

RETURNED CHECKS/RETURNED ACH PAYMENTS

If your check is not paid on presentment or is dishonored, you agree to pay a bad check fee of $30.00, or any higher amount allowed by law. We may electronically debit or draft your account for this charge. Also, if your check is returned for insufficient or uncollected funds, your check may be electronically re-presented for payment. Returned checks cannot be redeposited by the Office of Financial Affairs. After the second returned check, the Office of Financial Affairs WILL NOT accept a personal check for tuition payment. Payment must be made with cash, money order, credit card, or cashier's check.

GRADES/TRANSCRIPTS WITHHELD

A student failing to meet his or her financial obligations to the University may have his or her semester grade report, transcript and all other academic transactions withheld until such obligations are cleared through the Business Office. Such obligations include unpaid fees, overdue library books, damaged or unreturned University equipment, unpaid student loans, and parking fees. A student may be withdrawn from classes and not permitted to register until financial obligations have been cleared.

The Student Financial Services Office of Athens State University is located in the Classroom Building, first floor, east entrance. Phone: 1-800-522-0272, ext. 170, or 233-8170, or 233-8122. FAX: 233-8128.

SCHOLARSHIP PROGRAMS

UNIVERSITY AND FOUNDATION SCHOLARSHIPS

Athens State University and the Foundation have numerous scholarships available. Applicants are required to submit two letters of recommendation, copies of transcripts from all colleges and universities attended, and write a short essay addressing your financial need, including the scholarships and financial aid you have already received, what you have to offer Athens State University, and state any extracurricular activities and honors. Scholarships available, deadline dates, and application forms are available on our website at http://www.athens.edu/financial/scholarships.php.

ATHENS STATE UNIVERSITY ALUMNI SCHOLARSHIPS Awarded to students based on various criteria. Awards vary. Applications are online@ www.athens.edu and/or in the Office of Alumni Affairs. For more information contact the Office of Alumni Affairs @ 256-233-8275. See a list of available scholarships on the following page.

ALUMNI SCHOLARSHIPS AVAILABLE
Alumni Vanity Tag Scholarship
Dr. James Ballew Scholarship
Mary Norman Moore McCoy Scholarships
Dr. Angie Nazaretin Scholarship
Dr. Lorianne Pabst Scholarship
Geraldine Whitt Alumni Scholarship
Leovis and Carlton D. Whitt Scholarship
Judy Douthit Alumni Scholarship
Louise Strange Steele Family Alumni Scholarship

ACADEMIC POLICIES AND PROCEDURES

DEGREE OPTIONS

Athens State University offers three baccalaureate degree options: the Bachelor of Arts degree, the Bachelor of Science degree and the Bachelor of Science in Education degree. **Students should refer to their major section of the catalog for degrees conferred and specific course requirements.**

GENERAL EDUCATION (GEN. EDS) REQUIREMENTS (Curriculum Core Areas I-IV):

See the sections for the College of Arts and Sciences, the College of Business, and College of Education, for Gen. Ed. Requirements (Curriculum Core Areas I-IV).

GENERAL UNIVERSITY REQUIREMENTS

A student expecting to receive a degree from Athens StateUniversity must start the graduation process during the expected semester of graduation. A student must satisfactorily meet all University requirements and financial obligations before the degree is awarded.

Each student must meet the following general university requirements to be eligible to graduate:

1. Thirty-three of the last thirty-nine semester hours of study with Athens State University.

2. For students entering Fall 2002 and thereafter, complete a minimum of sixty semester hours of upper level college/university credit (300-400 level courses). Prior to entering Fall 2002, complete sixty-four semester hours of senior college credit, of which at least forty-two semester hours must be 300-400 level credit.

3. Complete a minimum of fifteen semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than fifteen semester hours of coursework in the major at Athens State University.

4. Complete all course requirements for major(s).

5. Complete all course requirements for minor (if applicable).

6. Complete all of the general education requirements for the degree.

7. Attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).

8. Complete the total degree requirements at a minimum of 124 semester hours.

9. Complete the teacher certification requirements (if applicable).

10. Apply no more than sixty-four semester hours of non-graded college credit applicable toward the degree.

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

ACADEMIC ADVISING

Upon admission to Athens State University, each student is assigned an advisor. The student should confer with his or her advisor at least once each semester. Although the student bears final individual responsibility for meeting all degree requirements, the advisor will assist in planning the student's academic program. A change of major, or adjustments to the program of study require completion of a Petition for Adjustment of Curriculum.

ACADEMIC CREDIT

The Athens State University calendar consists of semester-length terms; the unit of credit is the semester hour. Course descriptions indicate the number of semester hours which may be earned for a particular course. Transfer credits earned in quarter hours will be evaluated on the basis that one quarter hour equals two-thirds semester hours. (Example: a five quarter hour course would equal 3.3 semester hours.)

Correspondence Credit

Any extension or correspondence credit must be from a regionally accredited college or university, and may not exceed twelve semester hours. The student must petition through his or her advisor and in turn obtain permission from the Vice President of Academic Affairs for credit through extension or correspondence courses.

Continuing Education Units

Athens State University does not accept continuing education units (CEU's) for academic credit.

ACADEMIC HONESTY

Athens State University, like all communities, can function effectively only when its members treat one another with honesty, fairness, respect, and trust.

ACADEMIC DISHONESTY

It is the responsibility of every student at Athens State University to be familiar with the honor code. It shall be the responsibility of every student at Athens State University to obey and to support the enforcement of this honor code which prohibits lying, cheating, or stealing when these actions involve academic procedures, or when these actions involve any student or University personnel acting in an official capacity.

A. **Academic Dishonesty**

Academic dishonesty includes **but is not limited to** the following:

1. **Plagiarism**-Plagiarism consists in taking the words or specific substance of another and either copying or paraphrasing the work without giving credit to the source. Examples of plagiarism include:
 a. Submitting a term paper, examination, or other work created by someone else.
 b. Failure to give credit in a footnote for ideas, statements of facts, or conclusions derived by another.
 c. Failure to use quotation marks when quoting directly from another, whether it be a paragraph, a sentence, or even a part thereof.
 d. Close and extended paraphrasing of another.

2. **Cheating**-Cheating consists in the use of unauthorized notes, study aids, or information from another student or student's paper in an in-class examination; altering a graded work after it has been returned then submitting the work for regrading; and allowing another person to do one's work and to submit the work under one's name. This definition includes copying computer files or listings from another student. During examinations, cheating includes referring to information not specifically condoned by the instructor.

3. **Fabrication**-Fabrication consists in presenting data in a piece of work and failing to include a substantially accurate account of the method by which the data were generated or collected. Data gathered in accordance with guidelines defining the appropriate methods for collecting or generating data should be documented by a reference to the guidelines used. Fabrication specifically includes submission of data purporting to be the results of an experiment not actually performed by the student.

4. **Aiding and Abetting Dishonesty**-Aiding and abetting dishonesty includes the providing of material or information to another person with knowledge that these materials or information will be used improperly. This includes taking an examination or doing any work and submitting it under another student's name.

5. **Collusion**-Collusion consists in the unauthorized collaboration of students, one with another, in preparing work to be submitted.

6. **Unauthorized Possession or Disposition of Academic Materials**-Unauthorized possession or disposition of academic materials includes the selling or purchasing of examinations or other academic work, taking another student's academic work without permission, possessing examinations or other assignments not formally released by an instructor, and submitting the same paper for two or more different classes without the specific authorization of all instructors involved.

B. **Corollary Actions**

1. Any instructor may further define in writing any specific acts which in the context of the class would constitute academic dishonesty. The instructor shall provide a copy of these definitions to the head of the academic division in which the course is taught.
2. Any instructor may require students to sign a pledge at the conclusion of an examination stating that they have neither given nor received aid from any unauthorized source during the examination.

3. Any instructor or proctor shall have the right to examine all materials in the student's possession during quizzes, examinations, and/or laboratory sessions.

C. **Procedural Steps**

1. When an instructor sees cause to charge a student with academic dishonesty, the instructor will first discuss the matter with the student. The instructor will explain both the specific charge and the proposed penalty including any grade adjustment.
2. To facilitate consistency throughout the University in the application of sanctions for academic dishonesty, all instructors shall notify, in writing, the dean of the appropriate academic school and the Chief Academic Officer for the University, of any academic penalty which has been imposed on a student for reasons of academic dishonesty. This notification shall occur within five (5) instructional days from the date of the alleged academic dishonesty.
3. Within 20 instructional days of the allegation of alleged dishonesty, the student may appeal the instructor's decision to the dean of the appropriate academic school. The dean of the appropriate academic school will confer with the student and the instructor in an attempt to reach an acceptable agreement. At that time, the dean of the appropriate academic school will present the student with a written statement of the charges and the proposed penalty. This notice will also inform the student of the right to appeal to the Chief Academic Office and the steps involved in that process if an agreement is not reached. A copy of this notice, along with supporting documentation, will be sent to the Chief Academic Officer who will maintain records of all proceedings.

 If the dean of the appropriate academic school is the instructor who charges the student with academic dishonesty, then the dean of the appropriate academic school must appoint another faculty member from the School who will assume the duties of the dean of the appropriate school for the purposes of any action regarding this specific case.

4. If the charge is not resolved at the school level, the student may request an appeal at the University level within ten instructional days. Upon receipt of a written request from the student, the Chief Academic Officer will appoint and convene a University-wide committee on academic honesty. This committee will consist of a minimum of two students, except those students involved in the case, and faculty from all schools in the University, except those faculty directly involved in the case.

5. It is the responsibility of the committee to insure that the student's basic rights of due process are upheld. The accused student has the basic rights of:

 a. proper written notification of the accusation including a complete explanation of the proposed penalties and the effect of such penalties on the student's academic life.
 b. proper written notification of the time and place of any hearings held by the committee regarding the case.
 c. fair hearings in the committee with the opportunity to meet the accuser and to hear all the materials being offered in evidence.
 d. the opportunity to present evidence or witnesses.
 e. the opportunity to appoint a faculty member, not serving on the committee, to be present during all committee meetings and to offer advice and counsel. This opportunity in no way precludes the student's right to retain other counsel.
 f. a full explanation of all policies relating to the proceedings being brought against the student.

After the committee has reviewed the case, the Chair of the Committee shall provide a written advisory report to the Chief Academic Officer. The Chief Academic Officer will then render a decision and notify the student as to whether or not the penalty proposed by the school will be upheld. The decision is nonappealable and final. Grades resulting from academic dishonesty may not be appealed through "Review of final grade process."

D. **Academic Penalties**

The following is a list of penalties which may be imposed upon any student found guilty of academic dishonesty. Penalties which may be imposed by the instructor or School Dean include.

1. Requirement to submit additional work or take additional exams.
2. A lower or failing grade on the assignment or examination.
3. A lower or failing grade in the course.
4. Removal from class.

E. **Possible Additional Penalties**

The following is a list of penalties which may be imposed by the Chief Academic Officer, in addition to those imposed by the instructor or School Dean:

1. **Reprimand**: a written statement from the University expressing disapproval of conduct. This reprimand will be retained with the student's permanent record.

2. **Disciplinary Probation:** probationary status to be noted on the student's permanent record.

3. **Disciplinary Suspension:** suspension from the University for a period of one year. This suspension will be noted on the student's permanent record. After a period of one year the student may be readmitted to the University, but will return under disciplinary probation.

4. **Dismissal:** a permanent separation from the University. Students receiving this penalty are forever prohibited from readmission to the University. Dismissal will be noted on the student's permanent record.

ACADEMIC HONORS AND AWARDS

Highest Scholastic and Outstanding Academic Achievements Awards
Graduates with outstanding academic achievements are recognized in the Spring of each year. To be eligible for nomination for special outstanding academic recognition students must have 18 semester hours credit in residence on record at Athens State University. All students in a given academic year are eligible for consideration.

President's List
The President's List is published each semester and includes the names of students who have attained a 4.0 grade point average on at least 12 semester hours of course work for that specific term. Transitional (non-collegiate level) courses carrying grades A-F will be calculated in the semester GPA. However, transitional courses will not count toward the minimum course load requirements.

Dean's List
The Dean's List is published each semester and includes the names of the students who have attained a 3.5 or above but below 4.0 on at least twelve semester hours of course work for a specific term. Transitional (non-collegiate level) courses carrying grades of A-F will be calculated in the semester GPA. However, transitional courses will not count toward the minimum course load requirements.

Degrees With Honor
The following degrees with honor are based on **all** academic work at all institutions attended. To be eligible for honors, one-half of the total hours applied toward the degree must be regular academic course credit.

Summa Cum Laude
Awarded to the student who earns a grade point average of 3.9 or above during his or her academic career.
Magna Cum Laude
Awarded to the student who earns a grade point average of 3.75 during his or her academic career.
Cum Laude
Awarded to the student who earns a grade point average of 3.5 during his or her academic career.

ACADEMIC RECORD

The student's permanent academic record will consist of an Athens State University transcript, and **may** include the following: admission application, official transcripts from colleges and universities previously attended, graduation application, degree audit forms, transcript release forms, documentation which may affect the release of student's records and only disciplinary action that would directly affect the student's enrollment in the institution. Financial records are not considered part of the student's permanent academic record.

AUDITED COURSES

Upon recommendation of his or her advisor, a student may audit a non-laboratory course. Students should attend class under the same obligation as the credit student although they are not required to complete scheduled examinations. Standard registration procedures apply. The cost is one-half the regular tuition plus the appropriate fees. No change from audit to credit is allowed. Audited classes are on a space available basis.

CATALOG REQUIREMENT

A student may complete requirements for graduation as specified in the Athens State University catalog for the year of entry provided he or she does so within a period of five years from the original date of entry. One exception to the previous statement is the College of Education. The student considering the B.S.Ed. degree should check the College of Education guidelines due to the "No Child Left Behind Federal Act of 2001" which states the programs listed may have changed. A student who does not complete requirements for the undergraduate degree within a period of five years from the date of entry must adhere to the undergraduate requirements of the catalog under which they begin the sixth year of enrollment. This process is repeated every five years until the student graduates.

CHANGE OF MAJOR FORM

A Change of Major Form is the form that a student completes if they want to change what degree major or minor they are pursuing which can be downloaded from the Forms link located under the Admissions Link.

CLASS ATTENDANCE

It is accepted academic philosophy that sustained class attendance is essential to the overall educational value of a course of study in higher education. In order to achieve maximum benefit from educational activities, Athens State University expects regular class attendance from all students. Those students receiving veterans' benefits are required to attend classes according to the regulations of the Veterans' Administration.

The standards of performance to be met by each student, including specific attendance regulations for each course, will be set by each faculty member for his or her own course. Class attendance policies and other course requirements will be published in the course syllabus and will be discussed in detail by the faculty member on the first day of class each semester. It is important that the student secure a copy of each course syllabus from the instructor on the first day of class, or from the school offices prior to the beginning of classes. A student's performance in relation to the established standards and class attendance regulations shall determine the student's grade in a course. Any student who must miss an examination has the responsibility for notifying the faculty member as soon as is practical. It is the decision of the faculty member whether exams may be "made-up."

CLASS HOUR LOAD

The class hour load for a full-time student is twelve to nineteen semester hours per term including Summer Term. During semesters in which compressed sessions are offered, the institution reserves the right to further limit the number of hours for which a student may enroll. No student may take more than twenty-four (24) semester hours per term. Students who wish to take more than nineteen (19) semester hours must secure written permission via an Overload Request Form. This overload request must be signed by the advisor and the dean of the appropriate academic school prior to enrollment. Requests for exceptions will require written justification along with the following documentation and recommendation of your advisor:

(1) advising worksheet
(2) transcript, and
(3) proposed schedule.

COURSE CANCELLATION

Athens State University reserves the right to cancel any course.

DIRECTED STUDY/RESEARCH COURSES

With approval of the appropriate advisor and dean of the appropriate academic school, Athens State University students may complete no more than six semester hours of Directed Study/Research credit during their academic study with the University. Such directed study research must be conducted in the student's major area of study and the student must complete a directed study form.

DISTANCE LEARNING

Athens State University offers a variety of courses in distance learning format through Blackboard. Students may apply for admission, register for classes, obtain financial aid information and attend classes online. The College of Business currently offers all of its majors online and many online courses are also offered through the College of Education and the College of Arts and Sciences. Students should consult an advisor or counselor before registering for an online course to ensure that they meet the specifications indicated by the necessary technology and also the course requirements. Requirements are posted online under Blackboard on the Athens State University website and a tutorial is available for the student to prepare for the course. All courses offered via a distance learning format meet the same requirements and quality standards, as those that are offered in the traditional classroom format. All services of the University are offered to Distance Learning students, as well as to those taking classes on campus, such as library services, bookstore services and available lab services.

GRADING

Grading Policy

Letter grades of **"A"**, **"B"**, or **"C"** represent levels of accomplishment sufficient to allow students to make satisfactory progress toward graduation. **"D"** level work is considered inferior and the minimum-level accomplishment that will allow the students to continue their studies at Athens State University. A grade of **"F"** is assigned to the student who (1) fails to meet minimum course requirements, or (2) voluntarily discontinues class attendance without officially withdrawing.

A grade of "W" will be assigned to a student who officially withdraws before a date that is two (2) weeks prior to the date established for the first final exam for the semester. Specific dates for withdrawal will be included in the schedule each semester. A "W" cannot be assigned after the official date established for withdrawal from a course. Absence from class does not constitute an official withdrawal. Students can initiate the withdrawal process by emailing the Office of Admissions at Drop.Admissions@athens.edu using their Athens State email account, by FAX, by downloading the drop form from the Athens State website, or by coming into the Admissions office. Information in the withdrawal request MUST include: Name; Student ID number; the course reference number, course abbreviation and number; and the instructor's name. A reason for withdrawal from a course must be included. The instructor MUST be included as a "copy to" on the email. A "W" cannot be changed to a grade, nor can a grade be changed to a "W". A student who enrolls in a course and does not complete the course will receive a grade of "F" unless this withdrawal process is followed.

Withdrawal from a class is not complete until the student has been cleared through the Office of Admissions. Special regulations pertain to those receiving veteran's benefits or financial aid, and those individuals should confer with the Coordinator of Veteran's Affairs or the Director of Student Financial Services prior to initiating a withdrawal action.

A grade of "I" (incomplete) will be given only under extenuating circumstances. To obtain an incomplete you must complete at least 50% of the work for a given class. If an "incomplete" is given, the time allotted for a student to complete

the course is at the discretion of the instructor. However, a student receiving an "I" in any semester should be aware that the "I" must be completed before the end of the next semester. The Incomplete ("I") automatically becomes an "F" unless extended by the instructor. For purposes of computation an "I" is always evaluated as "F" until a grade change is made.

Quality Points for Letter Grades

For each hour of credit in a subject, the letter grade is equated to grade points as follows:

"A"	4.0 Quality Points
"B"	3.0 Quality Points
"C"	2.0 Qualtiy Points
"D"	I.0 Quality Point
"F"	0.0 Quality Points
"AU"	Audit

Grade Review

Athens State University provides a procedure through which students may request a review of the final grade received in coursework taken at Athens State University which is distinct and different from the appeals procedure for academic dishonesty.

The first step by the student in the appeals process shall be to contact the faculty member involved and try to resolve the dispute informally.

If satisfaction is not achieved at this level, the student may appeal to the dean of the appropriate academic school provided such appeal is filed in writing with the dean of the appropriate academic school within 14 calendar days of the first day of classes of the academic term immediately after the academic term for which the student took the course associated with the grade. This appeal by the student to the dean of the appropriate academic school shall be made in writing and shall state clearly the reason(s) for the appeal of the final grade and the desired remedy. This document shall be provided by the student to the dean of the appropriate academic school and shall constitute the basis and only record for deliberations with the dean of the appropriate academic school. A copy of this document shall be provided by the dean of the appropriate academic school to the faculty member who awarded the grade. This document shall also contribute a part of the record for subsequent appeals by the student to the Chief Academic Officer.

If satisfaction is not achieved at the level of the dean of the appropriate academic school, the student may appeal to the Chief Academic Office within ten (I0) instructional days of receiving the written response from the dean of the appropriate academic school. The Chief Academic Officer shall undertake a review of the student's written complaint and the written response by the dean of the appropriate academic school.

All appeals to the dean of the appropriate academic school or to the Chief Academic Officer shall be answered by the respective dean in writing within 21 instructional days of receipt of the appeal by the student.

The appeal form may be obtained from the office of a dean of an academic school or from the office of the Chief Academic Officer.

The decision to change or let stand a final grade received for a course taken at Athens State University is the exclusive right and prerogative of the faculty member who taught the course. The decision of the faculty member in this matter is absolute and final.

GRADUATION APPLICATION

To apply for graduation students must:

- Initiate the graduation process the semester they expect to graduate.
- Complete the Graduating Senior Exit Survey.
- Apply for graduation by completing the online Graduation Application.

Any student who does not submit the Graduation Application form by the application deadline, will be charged an additional fee in the amount of $25.00 to cover the special order fee. Failure to notify the Records Office of intent to graduate in a timely manner may result in the student being required to wait an additional semester.

GRADUATION COMMENCEMENT

Commencement ceremonies are held at regularly scheduled times as determined by the University.

PETITION FOR ADJUSTMENT OF CURRICULUM FORM

The following adjustments of a student's curriculum necessitate complction of a Petition for Adjustment of Curriculum Form which is available online:

1. Change of degree OR
2. Substitution for required course OR
3. Waiver of required course

REPEATED COURSES

A student who has made an unsatisfactory grade in a course completed at Athens State University and who wishes to repeat the course to earn a higher grade must repeat the course at Athens State University. A grade earned with Athens State University will be listed on the official transcript, but only the last course attempted will be used in computing the grade point average and will be

applied toward the degree. Bachelor of Science in Education students should understand that GPA is calculated using grades from all courses attempted (professional studies and content courses). (For Education guidelines, see the section for Education.) For pertinent regulations for Veterans receiving educational benefits please see Veterans Advisement.

SECOND (DOUBLE) MAJOR

Students who elect to complete two majors at Athens State University must meet the degree requirements for both majors to include General Education and Pre-Professional requirements. If both majors are in different degree programs, the baccalaureate degree of the primary major shall be the only degree awarded. Non-disciplinary majors such as liberal studies are excluded as a second major. Please note that federal regulations state that a student is no longer eligible for grant aid once they meet the requirements for a first bachelor's degree, even if the student does not receive the degree. Beyond meeting the requirements for a first bachelor's degree the student may receive aid in the form of student loans if the student is seeking an additional degree (1st degree BA; second degree BS or BSED) or completing courses to meet state requirements for teacher certification (recommended or optional courses for professional recognition or advancement do not qualify) or the student is completing a certification with a minimum of 24 semester hours.

SECOND DEGREE

Students who seek a second degree must meet all admission requirements, complete all catalog requirements for the major in that degree, and must complete a minimum of thirty-three semester hours in residency at Athens State University beyond the conferral date of the first degree. Students may not receive more than one degree in a designated graduation period.

STUDENT CLASSIFICATION

Juniors - Students who have earned a minimum of sixty-four semester hours of credit or who have received an Associate degree from an accredited two-year college.

Seniors - Students who have completed a minimum of ninety-three semester hours of credit.

Non-Degree Seeking - Student not seeking a degree.

TESTING/ASSESSMENT

Students seeking admission to the Teacher Education Program will take the Alabama Prospective Teacher Test (APTT). There are three parts to the APTT, reading, writing, and mathematics. All three parts must be passed in order to apply for admission to TEP. During the senior methods block or designated course by program, the PRAXIS II Content Area/Subject Area test must be taken and passed prior to admission to internship/student teaching. The PRAXIS II Principles of Learning and Teaching is taken and must be passed during internship/student teaching prior to graduation and certification.

In non-teacher education fields, each department (major) will require some form of exit assessment. The requirement may be a capstone experience, exit exam, or other method to assess whether students leaving the program have all the necessary curricular attributes as well as to assess the effectiveness of the curriculum within the major. This is an opportunity for self-reflection and synthesis, allowing the student to demonstrate integration of learning and academic growth. Assessment helps the institution meet student needs and helps ensure that teaching and learning are actually taking place. Assessment is continually under review to determine its value and effectiveness. All assessment methods are subject to change as determined appropriate for the institution. Any student having questions about assessment should contact the Testing Office or the dean of the appropriate academic school.

Athens State University honors credit earned through the College Level Examination Program (CLEP), provided appropriate scores are achieved. Students enrolling or enrolled at Athens State University who are interested in attempting the College Level Examinations should consult the Testing Coordinator.

A student may not receive CLEP credit for any previously attempted University course. Since CLEP is accepted as non-graded credit, it cannot be used in order to raise the grade point average. All CLEP examinations are accepted as freshman-level credit. Although credit may be awarded by the University, applicability toward the degree program is determined by the school concerned.

Credit earned under the Defense Activity for Non-Traditional Education Support (DANTES), and the United States Armed Forces Institute (USAFI) may be granted by Athens State University.

Official transcripts of CLEP and DANTES scores must be mailed directly to the Office of Admissions.

WITHDRAWAL

A grade of "W" will be assigned to a student who officially withdraws before a date that is two (2) weeks prior to the date established for the first final exam for the semester. Specific dates for withdrawal will be included in the schedule each semeser. A "W" cannot be assigned after the official date established for withdrawal from a course. Absence from class does not constitute an official withdrawal.

Students can initiate the withdrawal process by emailing the Office of Admissions at Drop.Admissions@athens.edu using their Athens State email account, by FAX, by downloading the drop form from the Athens State website, or by coming into the Admissions Office. Information in the withdrawal request MUST include: Name; Student ID number; the course reference number, course abbreviation and number; and the instructor's name. A reason for withdrawal from a course must be included. The instructor MUST be included as a "copy to" on the email. Withdrawal from a class is not complete until the student has been cleared through the Office of Admissions. Special regulations pertain to those receiving veteran's benefits or financial aid, and those individuals should confer with the Coordinator of Veteran's Affairs or the Director of Student Financial Services prior to initiating a withdrawal action. A "W" cannot be changed to a grade, nor can a grade be changed to a "W."

A student who enrolls in a course and does not complete the course will receive a grade of "F" unless this withdrawal process is followed.

COLLEGE OF ARTS AND SCIENCES

Ronald H. Fritze, Ph.D.
Dean

DEPARTMENT	MAJOR/MINOR PROGRAMS	BA	BS	LICENSURE/ CERTIFICATION TRACK	MINOR
Behavioral Science	Behavioral Science		x		x
	Gender/Multicultural Studies				x
	Gerontology				x
	Psychology	x	x		x
	Sociology	x	x		x
Health and Professional Studies	Health Science		x		
	Health & Wellness Management		x		
	Public Safety & Health Administration		x		
Humanities and Social Science	Art	x			x
	Art for Art Majors Only				x
	Art History				x
	English	x		x	x
	Drama				x
	History	x		x	x
	Justice Studies		x		x
	Political Science	x	x		x
	Religion	x			x
	Church Finance				x
	Philosophy				x
	Religious Education				x
	Social Science		x	x	
Interdisciplinary	Liberal Studies		x		
Mathematics and Computer Science	Computer Science		x		x
	CS - CIS Option		x		x
	CS - Computer Networking Option*		x		x
	Mathematics		x	x	x
Natural Science	Biology		x	x	x
	Marine Science				x
	Chemistry		x	x	x
	General Science		x	x	
	Physics				x

*A certificate program is also available in the CS - Computer Networking program.

INTERDISCIPLINARY PROGRAMS

Pre-Law Program

Many Athens State University students express an interest in attending law school after graduation. Many ASU students have attended law school at The University of Alabama, Cumberland School of Law at Samford University, The University of Tennessee, The University of Florida, George Washington University, Memphis State University, and Southern Illinois University.

To be admitted to an accredited law school, a student must have a bachelor's degree, an acceptable score on the Law School Admission Test (LSAT), and at least a 3.0 GPA. Although no law school requires a specific major, political science and justice studies have been popular undergraduate majors for many students because of the opportunity to take courses in American government, constitutional law, civil liberties, criminal law, criminal justice process, public administration, and the American legal system. Methods of Behavioral Science Research and the Senior Research Project courses are designed to improve the student's research and writing skills.

Students should consider electives that will enhance skills needed in law school. Courses in the English department can improve oral and written communication, which are essential skills for success in law school. In the College of Business, courses in accounting, business law, and real estate are helpful. A student entering law school should also know how to operate basic computer programs. Admission to law school is very competitive and no specific program can guarantee admission.

Students interested in choosing political science and/or justice studies as a prelaw major should contact the secretary in the Department of Humanities and Social Sciences in the College of Arts and Sciences - 233-8273. For further information call 1-800-522-0272 or (256) 233-8100 or refer to the Athens State University website: www.athens.edu.

Foreign Study Abroad
ASU in London England

Athens State University and its International Program offers an opportunity for all ASU majors and minors to study abroad for the first Summer Term at our Partner Institution, Huron University USA London in London, England from around May 15 until around June 25. Students attend Huron university as Athens State students and may take up to two courses in areas such as business, math, social science, natural science, behavioral science, drama, art, computer science and others that will transfer to Athens State University.

Huron University provides housing and in city transportation. Students receiving financial aid are generally eligible to apply it to this enterprise. The Director of ASU in London will accompany attending students for the first part of the term.

For more information, check the "International Programs" link at the ASU website, www.athens.edu or contact:

Mark Anderson, B.A., J.D., University Director of ASU in London, Professor of International Business and Legal Studies, 233-8148.

Sarah McAbee, B.S., M.B.A., Director of Student Financial Services, 233-8212. Financial Aid.

Lisa Carter Payne, B.S., M.A., Veterans Affairs Coordinator, 233-8124. Veterans.

Pre-Health Programs

Students interested in the pre-health professions, listed below, should contact Chief Pre-Health Professions Advisor, Dr. Bruce Thomas at 1-800-522-0272 (Ext. 142) or (256) 233-8142; or by e-mail at bruce.thomas@athens.edu.

Pre-medicine (osteopathic and allopathic)
Pre-dentistry
Pre-optometry
Pre-veterinary
Pre-pharmacy
Pre-chiropractic
Pre-podiatry
Pre-naturopathic
Pre-physician assistant
Pre-physical therapy
Pre-occupational therapy

Athens State University offers a variety of undergraduate academic programs designed to satisfy admission requirements for schools of medicine, dentistry, optometry, veterinary medicine, pharmacy, chiropractic medicine, physical therapy, and many other related disciplines. Students receive guidance in planning individual academic programs according to university and major requirements. Though many students pursue biology or chemistry degrees, medical schools do not require or recommend any particular field of study as long as the following courses are satisfied:

English composition and literature	(12 semester hours)
General chemistry with laboratory	(8 semester hours)
Organic chemistry with laboratory	(8 semester hours)
Biochemistry (recommended)	(3 semester hours)
General biology with laboratory	(8 semester hours)
(additional biology electives recommended are: genetics, embryology, cell biology, and physiology)	
General physics with laboratory	(8 semester hours)
Mathematics (calculus recommended)	(6 semester hours)

COLLEGE OF ARTS AND SCIENCES

The mission of the College of Arts and Sciences curricula is designed to prepare students for entry into the job market, or for continuing education in graduate or professional school. Through its course offerings, the College seeks to engage the intellect, excite the imagination, and improve the scholarship of its students, and assist its students in developing:

- competencies in written and oral communication;
- appreciation of their cultural heritage and understanding of their world;
- a knowledge base conducive to self growth and enriched life experiences; and,
- fundamental knowledge, research skills and computer literacy essential to lifelong learning.

The College of Arts and Sciences is composed of the following departments: Behavioral Science, Health and Professional Studies, Humanities and Social Science, Mathematics and Computer Science, and Natural Science. The chart on the preceding page summarizes the organization of the College of Arts and Sciences in addition to the degree options, majors, minors, and certification programs. An asterisk is used to designate the degree option(s) for a particular major, and to indicate that a department offers a minor or a certificate. The program purposes/goals of each department are listed below:

The Department of Behavioral Science offers courses in three areas of study: Behavioral Science, Psychology, and Sociology. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for employment in the areas of mental health, social work, counseling, substance abuse, sociology, and psychology. In addition, the program provides the student with the flexibility to seek employment immediately after graduation or pursue graduate or professional studies. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills; and (5) communicating effectively orally and in writing.

The Department of Health and Professional Studies is committed to the delivery of administrative-oriented courses in the areas of public safety and health, health science, and health and wellness management. The curricula are designed to provide emergency response and allied health students with the academic background to qualify for enhanced managerial and administrative career opportunities. The Department goals are aimed at: (1) enhancing the student's knowledge of personal and community health and safety issues, policies, and administrative practices of risk assessment, prevention, response, and mitigation through specialized coursework; (2) fostering strong ethical standards; (3) developing research and analytical skills to collect and analyze data using scientific methodology; (4) enhancing proficiency in the use of technology and information; and (5) communicating effectively orally and in writing.

The Department of Humanities and Social Sciences offers courses in seven areas of study: Art, English, History, Justice Studies, Political Science, Religion, and Social Science. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for entry-level employment, admission into graduate or professional programs, or certification as secondary education teachers. The Department goals are aimed at: (1) enhancing the student's understanding of the world, society, and community through a broad knowledge base in the humanities and social sciences; (2) fostering respect and appreciation for diversity of people and opinions; (3) cultivating life-long learning through proficient use of technology and information; (4) developing critical thinking and analytical skills; and (5) communicating effectively orally and in writing. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.

The Department of Mathematics and Computer Science is committed to providing students with a strong academic background on the fundamentals of mathematics and computer science within the context of an increasingly technology-driven society. The program allows students the flexibility to explore a wide range of applied and theoretical areas of mathematics, computing, and logic suitable for different employment environments in business, industry, and government or for further studies. The curriculum is designed to include an interdisciplinary approach where students can combine mathematics and/or computer science courses with other disciplines, as well as gain certification for teaching mathematics at the secondary school level. The Department goals are aimed at: (1) enhancing the student's knowledge of mathematics and computer science; (2) cultivating analytical and problem-solving skills; (3) instilling an appreciation for ethical principles to face the challenges posed by the development and uses of new technology and advanced scientific inquiry; and (4) communicating ideas clearly orally and in writing.

The Department of Natural Science offers courses in three areas of study: Biology, Chemistry, and General Science. Programs in the Department employ an interdisciplinary approach to the natural sciences providing a comprehensive science education background obtained through rigorous coursework, laboratory, and field experience. Structured to prepare students for career opportunities in science in government, industry, and education, or for pursuing post-graduate studies, the Department goals are aimed at: (1) enhancing the student's knowledge of the fundamental principles of biology, chemistry, and related life sciences and their interrelationships; (2) cultivating analytical and problem solving skills through the active teaching of the scientific method; (3)

instilling an appreciation for ethical principles in the conduct of scientific inquiry and use of new technology; and (4) communicating scientific findings and ideas clearly orally and in writing. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.

Majors leading to a Bachelor of Arts degree are in the disciplines of Art, English, History, Political Science, Psychology, Religious Studies, and Sociology. Majors leading to a Bachelor of Science degree are in the disciplines of Biology, Chemistry, Computer Science, Health and Wellness Management, Justice Studies, Mathematics, Political Science, Psychology, and Sociology. The disciplines of Psychology and Sociology sponsor an interdisciplinary major in Behavioral Science leading to a Bachelor of Science degree. The Department of Computer Science sponsors a computer networking certificate program. The College of Arts and Sciences in cooperation with the College of Education offers Licensure and Certification Track majors in Biology, Chemistry, English, History, General Science, Mathematics, and Social Science for those students who are interested in teaching in Middle School or High School. Completion of these track requirements will lead to Class B Certification in High School Education. In cooperation with the College of Business and the College of Education, the College sponsors an interdisciplinary majors in Health Science and Public Safety and Health Administration leading to the Bachelor of Science degree. Pre-medical, pre-dental, and para-medical students are advised to major in either Biology or Chemistry; a program of study tailored to meet specific recommendations of a particular professional school, and leading to a Bachelor of Science degree, will be worked out for the student in consultation with his or her Faculty Advisor.

Certain College of Arts and Sciences curricula require courses to be completed in a particular sequence. Therefore, it is important that Arts and Sciences students meet with their Faculty Advisor, to be assigned by the Counselor for the College of Arts and Sciences, as soon as possible. It must be noted, however, that the student bears individual responsibility to schedule and complete all requirements for the degree and a particular program of study. To fit specific student need, a special program of study may be devised which varies from published requirements. However, under no circumstances are alterations to a particular curriculum permitted without prior approval of the student's Faculty Advisor and completion of a Petition for Adjustment of Curriculum form.

ART (AR)

The bachelors degree in Art provides students with a strong foundation on the visual arts centered on in-depth study in a number of studio and art history courses. Completion of a major study in the visual arts can be taken as an integral part of a general liberal arts degree program. The program's primary goal is the self-growth of the artist while preparation for graduate studies in visual arts for majors or entry-level careers in art constitute other important goals. The curriculum is designed around the student's individual needs and a conscientious direction in planning an appropriate avenue of study within the program. The senior major exhibition culminates the study.

Bachelor of Arts - Art Major
MAJOR CODE: 50.0701

Program components for the Bachelor of Arts degree with a major in Art include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Additional history/behavioral/social science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

Drawing (first course)	3 semester hours	___
Drawing (second course)	3 semester hours	___
Two-Dimensional Design (first course)	3 semester hours	___
Three-Dimensional Design (first course)	3 semester hours	___
Ancient and Medieval Art	3 semester hours	___
Survey of Post-Medieval Art	3 semester hours	___
CIS 146 Microcomputer Applications **or** CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	2 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**19-23 SEMESTER HOURS**	
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

AR	312	Figure Drawing	3 semester hours	___
+AR	330	Topics in Photography **or** AR 331 Photography II	3 semester hours	___
AR	418	Art Studio	3 semester hours	___
AR	420	Art Studio **or**		
AR	404	Art Studio in Photography **or**		
AR	406	Topics in Adobe Photoshop	3 semester hours	___
AR	423	History of Modern Art	3 semester hours	___
AR	424	Late Modern Art History	3 semester hours	___
AR	430	Advanced Drawing and Design **or** AR 410 Adobe Illustrator Design	3 semester hours	___
AR	402	Portfolio, Exhibition and Art Research	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 24 SEMESTER HOURS

+Students with emphasis in photography must take AR 330 and AR 331. Students with the A.A. or A.S. degree and photography experience, with the permission of the instructor, may elect to skip AR 330.

5. The Art major must complete a minimum of forty-five semester hours of art coursework, at least fifteen semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300-400 level). All students will be required to exhibit their work on campus during their final term before graduation.

6. A minor is required. Students with emphasis in photography or graphic design are encouraged to consider a business minor. Electives in marketing or advertising are recommended as well. 18 semester hours

GENERAL ELECTIVES (May include art classes) 22 Semester Hours ___ ___ ___ ___ ___ ___ ___ ___

TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HO URS

The following minors can be obtained in the area of Art:

- **Art**
- **Art Minor for Art Majors only**
- **Art History**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

BEHAVIORAL SCIENCE

The bachelors degree in Behavioral Science is a joint degree between the fields of Psychology and Sociology. Core courses in each discipline are taken to provide the student with the option of seeking employment after graduation or to pursue graduate training. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills, and (5) communicating effectively orally and in writing.

Bachelor of Science - Behavioral Science Major
MAJOR CODE: 30.9999

Program components for the Bachelor of Science degree with a major in Behavioral Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	20 semester hours	___ ___ ___
		___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

The following courses must be completed at the 300/400 level:

PS 304 Drugs and Behavior	3 semester hours	___
PS 331 Social Psychology	3 semester hours	___
PS 332 Child Psychology **or**		
PS 334 Adolescent Psychology **or**		
PS 335 Adult Psychology	3 semester hours	___
PS 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
Psychology Elective	3 semester hour	___
SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 342 Methods of Behavioral Science Research	3 semester hours	___
SO 360 Contemporary American Family	3 semester hours	___
SO 361 Social Analysis	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
PS/SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Sociology Elective	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 39 SEMESTER HOURS

5. A minor **is not** required.

6. **GENERAL ELECTIVES 25 Semester Hours** ___ ___ ___

The behavioral science major is encouraged to select electives related to work in the human services field. Such electives would include additional psychology and sociology courses, but no more than 12 semester hours in these areas, and Human Anatomy and Physiology, Human Sexuality, and Criminal Justice. ___ ___ ___ ___ ___ ___

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

The following minors can be obtained in the area of Behavioral Science:

- **Behavioral Science**
- **Gender and Multicultural Studies**
- **Gerontology**
- **Psychology**
- **Sociology**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

BIOLOGY (BI)

The bachelor's degree in Biology prepares students for careers in research and technical areas requiring a baccalaureate degree and for pursuing graduate studies through comprehensive science education encompassing standard academic courses in biology, chemistry, mathematics, and computer science. Program graduates have the skills and competencies to gain employment in government and industry careers requiring a knowledge base in biology, including medical and other health-related fields, seek admission to graduate and/or professional programs, and teach science at the secondary school level. The Department of Biology sponsors majors leading to the Bachelor of Science degree and to the Bachelor of Science degree with teacher licensure (6-12). Biology and Marine Science minors also are offered.

Bachelor of Science - Biology Major
MAJOR CODE: 26.0101

Program components for the Bachelor of Science degree with a major in Biology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra or higher	3 semester hours	___
	Principles of Biology I and II	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

The biology major must complete:		
College Chemistry I	4 semester hours	___
College Chemistry II	4 semester hours	___
Biology **or** Chemistry Elective	4 semester hours	___
Elementary Statistics **or** Calculus I	3-4 semester hours	___
Fundamentals of Organic Chemistry **or** Organic Chemistry I	3-4 semester hours	___
CIS 146 Microcomputer Applications **or** CIS 301 Problem Solving with Computers	3 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**21-23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**62-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

BI 301/BI 301L Cell Structure and Function	4 semester hours	___
BI 302/BI 302L Genetics	4 semester hours	___
*BI 303/BI 303L General Ecology **or** BI 453/BI 453L Plant Ecology	4 semester hours	___
BI 470 Biology Capstone	1 semester hour	___

A minimum of 18 semester credit hours from among the following biology courses:

BI 300/BI 300L Microbes and You	4 semester hours	___
BI 303/BI 303L General Ecology	4 semester hours	___
BI 311/BI 311L Biodiversity of North Alabama	4 semester hours	___
BI 321 Conservation Biology	3 semester hours	___
BI 342/BI 342L Economic Botany	4 semester hours	___
BI 361/BI 361L Human Structure and Function	4 semester hours	___
BI 409 Biochemistry	3 semester hours	___
BI 411/BI 411L Invertebrate Systematics and Morphology	4 semester hours	___
BI 413/BI 413L Vertebrate Biology	4 semester hours	___
BI 414/BI 414L Comparative Vertebrate Anatomy	4 semester hours	___
BI 415 Microbial Toxins and Human Health	3 semester hours	___
BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology	4 semester hours	___
BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy	4 semester hours	___
BI 423/BI 423L Histology	4 semester hours	___
BI 424/BI 424L Animal Physiology	4 semester hours	___
BI 425/BI 425L Developmental Biology	4 semester hours	___
BI 427/BI 427L Parasitology	4 semester hours	___
BI 429/BI 429L Immunology	4 semester hours	___
BI 431/BI 431L Plant Systematics and Morphology	4 semester hours	___
BI 451/451L Marine Biology	4 semester hours	___
BI 452/BI 452L Marine Ecology	4 semester hours	___
BI 453/453L Plant Ecology	4 semester hours	___

*Students may take both ecology (BI 303/BI 303L and BI 453/BI 453L) courses and count one as a biology elective.

TOTAL PROFESSIONAL HOURS: **31 SEMESTER HOURS**

5. The Biology major must complete a minimum of 18 semester hours of upper division biology coursework, at least 12 semester hours of which must be taken at Athens State University. Courses taken under the S.I.R. agreement do not constitute upper division coursework. The major who plans to attend graduate, medical, or other professional (e.g., veterinary, chiropractic, optometry, pharmacy) school, or who seeks special licensure or certification (e.g., physical therapist, wildlife biologist) should determine the specific recommendations or requirements of the particular school, licensing or certifying agency for science and mathematics coursework and complete the recommended or required coursework. A program of study tailored to meet specific recommendations and/or requirements for science and mathematics coursework then will be developed for the major in consultation with his or her Faculty Advisor. In general, the following courses or their equivalents frequently are recommended or required:
 Calculus I, II (MA 303, 304) Physics (PY 301, 302)
 Organic Chemistry (CH 311, 312) Biochemistry (BI 409 or CH 409)

6. A minor **is** required. 18 semester hours

7. **GENERAL ELECTIVES** **13 semester hours** ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** **124-125 SEMESTER HOURS**

9. **Exit examination (required)**: The Department of Biology administers an exit examination to its majors. The examination serves the following purposes:

 (1) Establishes a benchmark for assessing knowledge gained as a result of completing the biology major at Athens State University;
 (2) Assesses preparedness for graduate study or for admission to professional school; and
 (3) Assesses preparedness for a career as a biologist.

 There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology),

Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Zoology. The examination is designed to be completed in 60 minutes. The exit examination is administered during the term at the end of which the major expects to graduate. Contact the Office of Testing (256-233-6560) to schedule an appointment.

Exit examination ____

The following minors can be obtained in the area of Biology:

- **Biology**
- **Marine Science**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

MARINE ENVIRONMENTAL SCIENCES CONSORTIUM

Athens State University is a member of the Marine Environmental Sciences Consortium, based at Dauphin Island, Alabama. This affiliation offers Athens State University students an opportunity to take courses and conduct research in estuarine and marine environments. Courses offered during the summer at Dauphin Island Sea Lab may be taken for credit at Athens State University toward a major or minor in biology or a minor in marine science. Some of the course offerings cannot be taken for biology major or minor credit. All programs of study that involve marine science courses must be approved by the MESC liaison. A Dauphin Island Sea Lab Information Bulletin listing summer school course offerings can be obtained early in the spring semester from a member of the Athens State University Department of Biology. Active courses of undergraduate instruction sponsored by the Consortium include the following:

Coastal Birds of Alabama
Marine Biology
Marine Invertebrate Zoology
Marine Botany
Marine Geology
Marine Ecology
Marine Vertebrate Zoology
Coral Reef Ecology
Oceanology of the Gulf of Mexico
Advanced Anatomy and Evolution of Marine Fishes
Introduction to Neurobiology
Marine Fish Diseases
Introduction to Oceanography
Marine Technical Methods
Coastal Geomorphology
Coastal Climatology
Marine Aquaculture
Coastal Zone Management
Dolphins and Whales
Marine Behavioral Ecology

Bachelor of Science - Biology Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 26.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only; and
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the gen. ed. requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area. I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts (12 semester hours)**		
	Fine Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Other Humanities/Fine Arts course	3 semester hours	___
	Literature*	3 semester hours	___
		or 6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra or higher	3 semester hours	___
	Principles of Biology I and II	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	History*	3 semester hours	___
		or 6 semester hours	___
	General Psychology	3 semester hours	___
	Other History/Behavioral or Social Science elective	3 semester hours	___

***Students must complete a 6 semester hour sequence either in Area II Literature or Area IV History.**

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

The biology major must complete:

College Chemistry I	4 semester hours	___
College Chemistry II	4 semester hours	___
Biology **or** Chemistry Elective	4 semester hours	___
Elementary Statistics **or** Calculus I	3-4 semester hours	___
Fundamentals of Organic Chemistry **or** Organic Chemistry I	3-4 semester hours	___
Electives	3-5 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 21-25 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 62-66 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

BI 301/BI 301L Cell Structure and Function	4 semester hours	___
BI 302/BI 302L Genetics	4 semester hours	___
BI 303/BI 303L General Ecology	4 semester hours	___

A minimum of 18 semester credit hours from among the following biology courses:

BI 300/BI 300L Microbes and You	4 semester hours	___
BI 311/BI 311L Biodiversity of North Alabama	4 semester hours	___
BI 321 Conservation Biology	3 semester hours	___
BI 342/BI 342L Economic Botany	4 semester hours	___
BI 361/BI 361L Human Structure and Function	4 semester hours	___
BI 409 Biochemistry	3 semester hours	___
BI 411/BI 411L Invertebrate Systematics and Morphology	4 semester hours	___
BI 413/BI 413L Vertebrate Biology	4 semester hours	___
BI 414/BI 414L Comparative Vertebrate Anatomy	4 semester hours	___
BI 415 Microbial Toxins and Human Health	3 semester hours	___
BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology	4 semester hours	___
BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy	4 semester hours	___
BI 423/BI 423L Histology	4 semester hours	___
BI 424/BI 424L Animal Physiology	4 semester hours	___
BI 425/BI 425L Developmental Biology	4 semester hours	___
BI 427/BI 427L Parasitology	4 semester hours	___
BI 429/BI 429L Immunology	4 semester hours	___
BI 431/BI 431L Plant Systematics and Morphology	4 semester hours	___
BI 451/BI 451L Marine Biology	4 semester hours	___
BI 452/BI 452L Marine Ecology	4 semester hours	___
BI 453/BI 453L Plant Ecology	4 semester hours	___

TOTAL PROFESSIONAL HOURS: 30 SEMESTER HOURS

5. The Biology major must complete a minimum of 18 semester hours of upper division biology coursework, at least 12 semester hours of which must be taken at Athens State University. Courses taken under the S.I.R. agreement do not constitute upper division coursework.

6. **Exit examination (required):** The Department of Biology administers an exit examination This examination is required for graduation and serves the following purposes:

 (1) Establishes a benchmark for assessing knowledge gained as a result of completing the biology major at Athens State University;
 (2) Assesses preparedness for graduate study or for admission to professional school; and
 (3) Assesses preparedness for a career as a biologist.

 There is no cost for taking the examination, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Zoology. The examination is designed to be completed in 60 minutes. The exit examination is administered during the term at the end of which the major expects to graduate. Contact the Office of Testing (256-233-6560) to schedule an appointment.

7. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours	___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
BI 456 Materials/Methods of Teaching Biology in the Middle School/ High School	3 semester hours	___
SC 486 Internship in High School Education	9 semester hours	___ ___ ___

TOTAL REQ. FOR LICENSURE/CERTIFICATION: 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 128-132 SEMESTER HOURS

CHEMISTRY (CH)

The bachelors degree in Chemistry prepares students for careers in industry or government, graduate or professional study, or secondary school teaching. By means of a rigorous program of chemistry courses through formal classroom instruction, laboratory exercises involving wet chemistry, instrumentation, and computer software packages, directed study, and research, students obtain a strong academic background in chemistry and its applications. The curriculum offers flexibility for students to design and prepare for their chosen career or educational path by selecting appropriate electives based on their particular area of interest. The program's goals are aimed at: (1) providing a knowledge base of chemistry theory and concepts; (2) teaching a systematic, thoughtful approach to problem solving; and (3) having graduates communicate scientific information clearly and concisely.

Bachelor of Science - Chemistry Major
MAJOR CODE: 40.0501

Program components for the Bachelor of Science degree with a major in Chemistry include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (12 semester hours)**		
	Calculus I*	4 semester hours	___
	College Chemistry I and II	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___

***Prerequisites: Precalculus Algebra and Precalculus Trigonometry**

TOTAL GENERAL EDUCATION REQUIREMENTS 42 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL COURSES):**

Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___
Microcomputer Applications	3 semester hours	___
Electives	3 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 22 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

CH 311/CH 311L Organic Chemistry I	5 semester hours	___
CH 312/CH 312L Organic Chemistry II	5 semester hours	___
CH 314 /CH 314L Polymer Science	4 semester hours	___
CH 324/CH 324L Analytical Chemistry	4 semester hours	___
CH 330 Environmental Chemistry**	3 semester hours	___
CH 410/CH 410L Instrumental Analysis	4 semester hours	___
CH 420 Intermediate Inorganic Chemistry	3 semester hours	___
CH 430/CH 430L Physical Chemistry I	5 semester hours	___
CH 431/CH 431L Physical Chemistry II	4 semester hours	___

**The major who plans to attend medical school or health related professional (e.g., veterinary, chiropractic, osteopathic, pharmacy) schools may substitute CH 409 Biochemistry for either CH 314 or CH 330.

TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS

5. The chemistry major must complete a minimum of 24 semester hours of upper division 300/400 level chemistry coursework at Athens State University. For those majors who plan to attend graduate, medical, or other professional school, the following courses are recommended:
 CH 409 Biochemistry
 MA 421 Differential Equations

6. A minor **is not** required.

7. **GENERAL ELECTIVES:** 27 semester hours ___ ___ ___ ___ ___ ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

9. **Exit Examination:** During the final term of enrollment at Athens State, the chemistry major must complete the major field achievement examination for chemistry.

The following minor can be obtained in the area of Chemistry:

- **Chemistry**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Science - Chemistry Major

(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)

MAJOR CODE: 40.0501

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only ; and
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	The Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities Elective	3 semester hours	___
	Literature*	3 semester hours	___
		or 6 semester hours	___ ___
Area III.	**Natural Sciences and Mathematics** (12 semester hours)		
	Calculus I**	4 semester hours	___
	College Chemistry I and II	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences** (12 semester hours)		
	History*	3 semester hours	___
		or 6 semester hours	___ ___
	General Psychology	3 semester hours	___
	Other History/Behavioral or Social Science Elective	3 semester hours	___

***Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.**
**Prerequisites: Precalculus Algebra and Precalculus Trigonometry

TOTAL GENERAL EDUCATION REQUIREMENTS:	**42 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___
Electives	6 semester hours	___ ___

TOTAL MAJOR PREREQUISITE HOURS:	**22 SEMESTER HOURS**
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**

4. **PROFESSIONAL COURSES:**

CH 311/CH 311L Organic Chemistry I	5 semester hours	___
CH 312/CH 312L Organic Chemistry II	5 semester hours	___
CH 324 /CH 324L Analytical Chemistry	4 semester hours	___
CH 330 Environmental Chemistry	3 semester hours	___
CH 409 Biochemistry	3 semester hours	___
CH 410/CH 410L Instrumental Analysis	4 semester hours	___
CH 420 Intermediate Inorganic Chemistry	3 semester hours	___
CH 430/CH 430L Physical Chemistry I	5 semester hours	___
CH 431/CH 431L Physical Chemistry II	4 semester hours	___

TOTAL PROFESSIONAL HOURS: 36 SEMESTER HOURS

5. The chemistry major must complete a minimum, of 24 semester hours of upper division 300/400 level chemistry coursework at Athens State University.

6. **Exit Examination: During the final term of enrollment at Athens State, the chemistry major must complete the major field achievement examination for chemistry.**

7. **COURSES FOR CERTIFICATION:**

ED 301	Foundations of Education I	3 semester hours	___
ED 302	Foundations of Education II	3 semester hours	___
ED 305	Technology & Media in Education	3 semester hours	___
SC 331	Classroom Management in Secondary Education	3 semester hours	___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours	___
SC 362	Assessment and Evaluation in Secondary Education	3 semester hours	___
PS 334	Adolescent Psychology	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___
CH456	Materials and Methods of Teaching Chemistry in Middle School/ High School	3 semester hours	___
SC486	Internship in High School Education	9 semester hours	___ ___ ___

TOTAL REQ. FOR LICENSURE/CERTIFICATION 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 136 SEMESTER HOURS

COMPUTER SCIENCE (CS)

The bachelors degree in Computer Science provides students with a strong foundation in programming, problem analysis, problem solving, and software engineering. There are two additional options to the Computer Science Degree: Computer Informations Systems (CIS Option) and Computer Networking (CN Option). The CIS option provides students with a foundation in business and information systems to complement the core requirements in problem solving and programming. The CN option tailors the program for those students seeking expertise in the development, design, and administration of computer networks.

CS, CIS and CN curricula emphasize structured programming, problem solving, and software engineering, and require significant hands-on experience using hardware and software resources available in state-of-the-art computer laboratories maintained by the Department.

The CS curriculum is designed to prepare students for the job market and/or for graduate school.

The CIS curriculum focuses on problem solving in a business environment. The goal of this curriculum is to prepare the student for the job market as a technically oriented member of an information systems development team.

The Computer Networking (CN) program focuses on the technical aspects of computer networking. Combined with the structured programming features found in both the CS and CIS curricula, the student should be well prepared for the job market. The student who successfully completes CN 301, CN 302, CN 303, CN 304, and a locally administered certification exam can certify as a NACSE Associate Network Specialist (NANS); the student who successfully completes all eight CN courses and a locally administered certification exam can certify as a NACSE Senior Network Specialist (NSNS).

The Computer Science Department imposes the following requirements and restrictions on accepting computer science courses from other institutions:

- No RPG or computer applications courses will be accepted.
- Not more than 3 semester hours of FORTRAN will be accepted.
- Introduction to Information Systems and Basic Programming will not be accepted as electives.
- "System Analysis and Design" courses cannot be substituted for CS 451 or CS 452.
- "Work-based experience" credit cannot be substituted for CS 451 or CS 452.
- Locally administered certification examinations are not accepted.

Bachelor of Science - Computer Science Major
MAJOR CODE: 11.0101A

Program components for the Bachelor of Science degree with a major in Computer Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra or Precalculus Algebra and Trigonometry	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL COURSES):**

Precalculus Trigonometry*	3 semester hours	___
Calculus I	4 semester hours	___
Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
Computer Programming Class	3 semester hours	___
General Electives	0-5 semester hours	___

*If Precalculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Precalculus Trigonometry (3 semester hours) in addition to Precalculus Algebra. Completion of Precalculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for Trigonometry.

TOTAL MAJOR PREREQUISITE HOURS: 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

Linear Algebra **or** MA 310 Matrices and Linear Algebra	3 semester hours	___
MA 308 Discrete Mathematics	3 semester hours	___
MA 331 Applied Statistics and Probability**	3 semester hours	___

*(**MA 331 does not count toward a math major, MA 431 will.)*

Two of the following:	6 semester hours	___ ___

MA 316 Vector Analysis
MA 320 Introduction to Abstract Algebra
MA 421 Differential Equations
MA 423 Numerical Analysis

CN 301 Networking Fundamentals	2 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 309L Digital Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 340 Introduction to Assembly Language	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 409 Computer Organization and Architecture	3 semester hours	___
CS 414 Programming Languages	3 semester hours	___
CS 415 Operating Systems	3 semester hours	___
CS 451 Software Engineering	3 semester hours	___
CS 452 Senior Software Engineering Project	3 semester hours	___
CS 452L Senior Software Engineering Project Lab	1 semester hour	___
CS 472 Algorithm Analysis	3 semester hours	___
Upper Level 300/400 Computer Science Electives***	6 semester hours	___ ___

***Any computer science (CS), computer information systems (CIS), or computer networking (CN) course to be used as an upper level computer science elective must have prior approval of the student's Faculty Advisor.

TOTAL PROFESSIONAL HOURS 58 SEMESTER HOURS

5. The Computer Science major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at Athens State University. At least 6 semester hours of CS, CIS, or CN electives must be completed at Athens State University.

6. A minor is **not** required.

7. **GENERAL ELECTIVES 6 Semester Hours___ ___**

8. **TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HOURS**

9. **Pre-assessment and Exit Examinations:** The Department of Computer Science requires all CS majors to complete an exit examination to graduate; however, the result of this examination is not a criterion for graduation.

The following minors can be obtained in the area of Computer Science:

- **Computer Information Systems**
- **Computer Networking**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Science - Computer Science Major
(Computer Information Systems Option)
MAJOR CODE: 11.0101B

Program components for the Bachelor of Science degree with a major in Computer Science - Computer Information Systems Option) include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra or higher	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Economics (ECO 231 Principles of Economics) required	3 semester hours	___
	Other History/Behavioral or Social Science courses	6 semester hours	___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

Business Calculus	3 semester hours	___
Principles of Accounting	3 semester hours	___
Statistical Methods of Business I	3 semester hours	___
Microcomputer Applications	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
Computer Programming Courses (any language)	6 semester hours	___ ___
General Electives	2 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

MG 346 Principles of Management and Leadership	3 semester hours	___
MG 350 Financial Management	3 semester hours	___
MG 353 Project Management	3 semester hours	___
MK 331 Marketing Principles	3 semester hours	___
MA 308 Discrete Mathematics	3 semester hours	___
CS 309 Digital Logic Design	3 semester hours	___
CS 309 Digital Logic Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 451 Software Engineering	3 semester hours	___
CS 452 Senior Software Engineering Project	3 semester hours	___
CS 452L Senior Software Engineering Project Lab	1 semester hour	___
CIS 325 The Digital Enterprise	3 semester hours	___
CIS 365 Visual Application Development	3 semester hours	___
CIS 440 Database Systems	3 semester hours	___
CIS 450 Human-Computer Interaction	3 semester hours	___
Upper Level Computer Science Electives*	6 semester hours	___ ___

*Any computer science (CS), computer information systems (CIS), or computer networking (CN) course to be used as an upper level computer science elective must have prior approval of the student's Faculty Advisor.

TOTAL PROFESSIONAL HOURS 53 SEMESTER HOURS

5. The Computer Information Systems major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at ASU. At least 6 semester hours of CS, CIS, or CN electives must be completed at Athens State University.

6. A minor **is not** required.

7. **GENERAL ELECTIVES 11 Semester Hours** ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HOURS**

9. **Pre-assessment and Exit Examination:**
For a CS major to graduate from Athens State University, the Department of Computer Science requires all CS majors to complete an exit examination; however, the result of this examination is not a criterion for graduation.

Bachelor of Science - Computer Science Major
(Computer Networking Option)
MAJOR CODE: 11.0101C

Program components for the Bachelor of Science degree with a major in Computer Science - Computer Networking Option include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra or		
	Precalculus Algebra and Trigonometry	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
TOTAL GENERAL EDUCATION REQUIREMENTS		**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**

Precalculus Trigonometry*	3 semester hours	___
Calculus I	4 semester hours	___
Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
C++ (CS 317 Computer Science I)	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
General Electives	0-5 semester hours	___

*If Precalculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Precalculus Trigonometry (3 semester hours) in addition to Precalculus Algebra. Completion of Precalculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for trigonometry.

TOTAL MAJOR PREREQUISITE HOURS: 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

MA 308 Discrete Mathematics	3 semester hours	___
MA 310 Linear Algebra	3 semester hours	___
MA 331 Applied Probability and Statistics	3 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 318 Computer Science II	3 semester hours	___
CS 340 Introduction to Assembly Language	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 409 Computer Organization and Architecture	3 semester hours	___
CS 415 Operating Systems	3 semester hours	___
CS 451 Software Engineering	3 semester hours	___
CS 452/ CS 452L Senior Software Engineering Project	4 semester hours	___
CN 301 Network Fundamentals	2 semester hours	___
CN 302 Local Area Networks	2 semester hours	___
CN 303 Wide Area Networks	2 semester hours	___
CN 304 Network Architectures	2 semester hours	___
CN 401 Internetworking Devices	2 semester hours	___
CN 402 The Internet	2 semester hours	___
CN 403 Network Processes and Protocols	2 semester hours	___
CN 404 Enterprise Network Design	2 semester hours	___
Math <u>or</u> CS/CIS/CN elective (approved by Advisor)	3 semester hours	___
CS/CIS/CN elective (approved by Advisor)	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 56 SEMESTER HOURS

5. **The Computer Networking major must complete a minimum of 19 semester hours of upper division 300/400 level coursework in Computer Science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at Athens State University. At least 6 semester hours of CS, CIS, CN or Math electives must be completed at Athens State University.**

6. A minor is not required.

7. **GENERAL ELECTIVES 8 SEMESTER HOURS**

8. **TOTAL HOURS FOR GRADUATION: 124-128 SEMESTER HOURS**

9. **PRE-ASSESSMENT AND EXIT EXAMINATIONS:**
For a CS major to graduate from Athens State University, the Department of Computer Science requires all CS majors to complete an exit examination; however, the result of this examination is not a criterion for graduation.

ENGLISH (EH)

The bachelors degree in English aspires to foster life-long learning through expanding literacy and opportunities and an ever-widening understanding of ideas, people, cultures, and histories that shape humanity. The program emphasizes the varied language arts, particularly drama, literature, speech, and writing, and promotes critical reading of literature from a wide range of diverse authors and genres, as well as through analytic and creative writing. Through rigorous coursework, English majors develop their abilities to think clearly, reach well-reasoned decisions, improve self-esteem, and take active and responsible roles in their communities. Program graduates have the skills and competencies to pursue further studies, teach English/Language Arts at the secondary school level, or enter a wide range of career fields.

Bachelor of Arts - English Major
MAJOR CODE: 23.0101

Program components for the Bachelor of Arts degree with a major in English include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
TOTAL GENERAL EDUCATION REQUIREMENTS		**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

General Education Electives	12 semester hours	___ ___ ___ ___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	8 semester hours	___ ___ ___
TOTAL MAJOR PREREQUISITE COURSES	**19-23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

EH 312 Dramatic Literature	3 semester hours	___
EH 325 Myth: Ritual and Culture	3 semester hours	___
EH 414 History of the English Language	3 semester hours	___
EH 431 Poetry and Poetics	3 semester hours	___
EH 425 Shakespeare: The Sonnets and the Plays	3 semester hours	___
EH 433 Fiction	3 semester hours	___
EH 452 Chaucer and Medieval Literature	3 semester hours	___
EH 469 English Capstone Seminar (must be taken during semester in which student graduates)	1 semester hour	___
Electives in English	18 semester hours	___ ___ ___ ___ ___ ___

Choose from the following courses:
EH 304 Southern Literature
EH 307 Major Authors I
EH 308 Major Authors II
EH 314 Nineteenth Century British Studies
EH 316 American Masterpieces
EH 330 Literary and Critical Theory
EH 400 Creative Writing
EH/RE 416 Interpreting the Text
EH 440 African-American Studies
EH 450 Renaissance Literature 1550-1680
EH 451 Restoration/Eighteenth Century
EH 454 Young Adult Literature

TOTAL PROFESSIONAL HOURS: **40 SEMESTER HOURS**

5. A minor is required. **18 Semester Hours**

6. All B.A. English majors must take an exit exam, which will be administered in EH 469 English Capstone Seminar.

7. **GENERAL ELECTIVES** **6 Semester Hours**___ ___

8. **TOTAL HOURS FOR GRADUATION:** **124-128 SEMESTER HOURS**

The following minors can be obtained in the area of English:

- **English**
- **Drama**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Arts - English Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 23.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and
6) complete the 18 semester hours in Literature sequences as required by the degree before being admitted to the Teacher Education Program.

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	ENG 261 English Literature I	3 semester hours	___
	ENG 262 English Literature II	3 semester hours	___
	SPH 106 Fundamentals of Speech Communication **or**		
	SPH 107 Fundamentals of Public Speaking	3 semester hours	___
	THR120 Theatre Appreciation **or**		
	THR 126 Introduction to Theatre	3 semester hours	___
Area III.	**Natural Sciences and Mathematics** (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based required)	8 semester hours	___ ___
Area IV.	**History, Social and Behavioral Sciences** (12 semester hours)		
	General Psychology	3 semester hours	___
	Social and Behavioral Sciences	6 semester hours	___ ___
	History	3 semester hours	___

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

ENG 251 American Literature I	3 semester hours	___
ENG 252 American Literature II	3 semester hours	___
ENG 271 World Literature I	3 semester hours	___
ENG 272 World Literature II	3 semester hours	___
General Electives	9 semester hours	___ ___ ___

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

EH 303 Journalism	3 semester hours	___
EH 311 Drama Production	3 semester hours	___
EH 312 Dramatic Literature	3 semester hours	___
EH 320 Grammar for Teachers	3 semester hours	___
EH 325 Myth: Ritual and Culture **or** EH 454 Young Adult Literature	3 semester hours	___
EH 401 Speech: Conflict Management	3 semester hours	___
EH 414 History of the English Language	3 semester hours	___
EH 425 Shakespeare	3 semester hours	___
EH 431 Poetry and Poetics	3 semester hours	___
EH 433 Fiction **or** EH 316 American Masterpieces	3 semester hours	___
EH 452 Chaucer and Medieval Literature	3 semester hours	___
TOTAL PROFESSIONAL HOURS:	**33 SEMESTER HOURS**	

5. **COURSES FOR CERTIFICATION IN ENGLISH/LANGUAGE ARTS:**

ED 301 Foundations of Education I	3 semester hours	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours	___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
EH 457 Materials and Methods of Teaching English/Language Arts in Middle School/High School	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SC 486 Internship in High School Education	9 semester hours	___ ___ ___
TOTAL REQ. FOR LICENSURE/CERTIFICATION:	**36 SEMESTER HOURS**	
TOTAL HOURS FOR GRADUATION	**131 SEMESTER HOURS**	

GENERAL SCIENCE (GS)

The Bachelor of Science degree in General Science and the Bachelor of Science degree in General Science with Teacher Licensure (6-12) prepares students for research and technical areas requiring a baccalaureate degree, and also satisfies some graduate and/or professional school admissions requirements. The objective of the major is to provide the graduate with a comprehensive science education, encompassing standard academic courses in biology, chemistry, mathematics, physics, and earth and space sciences. Courses and programs are structured to provide basic coursework applicable to (1) careers requiring a general preparation in science, (2) graduate and professional programs requiring a multidisciplinary science background, such as medicine, forensics, pharmacy, or law, and (3) secondary school teaching.

Bachelor of Science - General Science Major

MAJOR CODE: 30.1801

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts Elective	6 semester hours	___ ___
Area III.	**Natural Sciences and Mathematics** (12 semester hours)		
	Calculus I*	4 semester hours	___
	Biology I and II	8 semester hours	___ ___
	***Prerequisites: Precalculus Algebra and Precalculus Trigonometry**		
Area IV.	**History/Behavioral and Social Sciences** (12 semester hours)		
	At least one History course	3 semester hours	___
	Other History/Behavioral Science or Social Science Electives	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS:	**42 SEMESTER HOURS**	

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
General Chemistry I	4 semester hours	___
General Chemistry II	4 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___
CIS 146 Microcomputer Applications	3 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**27 SEMESTER HOURS**	

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 69 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

MA421 Differential Equations	3 semester hours	___
CH 305/CH 305L Fundamentals of Organic Chemistry	3 semester hours	___
CH 324 /CH 324L Analytical Chemistry	4 semester hours	___
BI 301/BI 301L Cell Structure and Function	4 semester hours	___
BI 303/BI 303L General Ecology	4 semester hours	___
PY 303/PY 303L Calculus Physics III (Modern Physics)	4 semester hours	___
PY 309 Mechanics I **or** PY 312 Electricity and Magnetism I **or** PY 344 Principles of Optics	3-4 semester hours	___
GS 300/GS 300L Introduction to Astronomy	4 semester hours	___
GS 301/GS 301L Atmospheric Science	4 semester hours	___
GS 302/GS 302L Earth Science	4 semester hours	___
GS 490 Senior Seminar in General Science	1 semester hour	___
TOTAL PROFESSIONAL HOURS:	**38-39 SEMESTER HOURS**	

5. **General Electives** **20-21 semester hours**

Students who are pursuing multidisciplinary science-based careers or who plan to continue their education in medical school, law school, or graduate school are advised to fulfill their general elective requirements with additional science courses which may be needed for employment or required for admission into professional school programs.

TOTAL HOURS FOR GRADUATION: 127-129 SEMESTER HOURS

Bachelor of Science - General Science Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 30.1801

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only; and
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	Fine Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities Elective	3 semester hours	___
	Literature*	3 semester hours	___
		or 6 semester hours	___ ___
Area III.	**Natural Sciences and Mathematics** (12 semester hours)		
	Calculus I**	4 semester hours	___
	Biology I and II	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences** (12 semester hours)		
	History *	3 semester hours	___
		or 6 semester hours	___ ___
	General Psychology	3 semester hours	___
	Behavioral Science or Social Science Elective	3 semester hours	___

***Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.**
****Prerequisites: Precalculus Algebra and Precalculus Trigonometry**

TOTAL GENERAL EDUCATION REQUIREMENTS: 42 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
General Chemistry I	4 semester hours	___
General Chemistry II	4 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___

TOTAL MAJOR PREREQUISITE COURSES: 24 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 66 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

MA 421 Differential Equations	3 semester hours	___
CH 305/CH 305L Fundamentals of Organic Chemistry	3 semester hours	___
CH 324/CH 324L Analytical Chemistry	4 semester hours	___
BI 301/BI 301L Cell Structure and Function	4 semester hours	___
BI 303/BI 303L General Ecology	4 semester hours	___
PY 303/PY 303L Calculus Physics III (Modern Physics)	4 semester hours	___
PY 309 Mechanics I **or** PY 312 Electricity and Magnetism I **or** PY 344 Principles of Optics	3- 4 semester hours	___
GS 300/GS 300L Introduction to Astronomy	4 semester hours	___
GS 301/GS 301L Atmospheric Science	4 semester hours	___
GS 302/GS 302L Earth Science	4 semester hours	___
GS 490 Senior Seminar in General Science	1 semester hour	___
TOTAL PROFESSIONAL HOURS:	**38-39 SEMESTER HOURS**	

5. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours	___
GS 456 Materials and Methods of Teaching General Science in Middle School/High School	3 semester hours	___
SC 486 Internship in High School Education	9 semester hours	___ ___ ___
TOTAL REQ. FOR LICENSURE/CERTIFICATION:	**36 SEMESTER HOURS**	
TOTAL HOURS FOR GRADUATION	**139-140 SEMESTER HOUR**	

HEALTH SCIENCE (HS)

The Health Science program culminates in a baccalaureate degree for nursing professionals or for students certified in allied health fields, including, but not limited to dental hygiene, medical records, medical technology, health physics or animal health technology. Program graduates will possess the skills and competencies necessary to analyze core elements of health care policies and develop effective strategies to ensure that quality health care is provided.

Bachelor of Science - Health Science Major
MAJOR CODE: 51.9999

Program components for the Bachelor of Science degree with a major in Health Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours ___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**	
	At least one fine arts course	3 semester hours ___
	At least one literature course	3 semester hours ___
	Other Humanities/Fine Arts courses	6 semester hours ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**	
	Precalculus Algebra or higher	3 semester hours ___
	Natural Sciences (lab based) required	8 semester hours ___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**	
	At least one history course	3 semester hours ___
	Other History/Behavioral or Social Science courses	9 semester hours ___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications **or**	
CS 301 Problem Solving With Computers	3 semester hours ___
Biology, Chemistry, and/or Physics	16 semester hours ___ ___ ___ ___
General Electives	4 semester hours ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**19-23 SEMESTER HOURS**
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**

4.**PROFESSIONAL COURSES:**

The Health Science major culminates in a baccalaureate degree for nursing professionals, or for students who are certified in a paramedical field such as, but not limited to, dental hygiene, medical records, medical technology, health physics, or animal health technology. Professional course requirements are to be satisfied by successfully completing Major Prequisite courses and the twelve-course professional core. Students interested in premedical professions and biomedical sciences are encouraged to take elective courses in the areas of biology, chemistry, and/or physics.

HCM340 Introduction to Health Care Systems	3 semester hours	___
HCM345 Management of Health Care Organizations	3 semester hours	___
HCM355 Survey of Issues in Health Care Management	3 semester hours	___
HPE 320 Nutrition	3 semester hours	___
HS 320 Biomedical Ethics	3 semester hours	___
HS 400 Public Safety and Health Education	3 semester hours	___
HS 447 Public Health Concepts and Systems	3 semester hours	___
HS 450 Introduction to Epidemiology	3 semester hours	___
HS 451 Environmental Health and Safety Systems	3 semester hours	___
PO 355 Health Policy in the United States	3 semester hours	___
PSHA401 Measurement and Evaluation	3 semester hours	___
PSHA465 Senior Research Project	4 semester hours	___
TOTAL PROFESSIONAL HOURS:	**37 SEMESTER HOURS**	

5. A minor **is not** required.

6. **GENERAL ELECTIVES** **27 Semester Hours** ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

7. **TOTAL HOURS FOR GRADUATION** **128 SEMESTER HOURS**

HEALTH AND WELLNESS MANAGEMENT (HWM)

The Bachelor of Science degree in Health and Wellness Management provides students with a strong foundation on the basic biomechanical and physiological principles associated with human movement and the basic wellness concepts conducive to healthy lifestyles. Program graduates will have the skills and competencies necessary to pursue graduate studies, gain employment in a variety of health, fitness, sports medicine, and public safety career fields, or teach health at the secondary school level.

Bachelor of Science - Health and Wellness Management Major
MAJOR CODE: 31.0504

Program components for the Bachelor of Science degree with a major in Health and Wellness Management include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	The Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Literature	3 semester hours	___
	Humanities/Fine Arts Elective	3 semester hours	___
Area III.	**Natural Sciences and Mathematics** (11 semester hours)		
	Finite Math or higher	3 semester hours	___
	Natural sciences (lab based required)	8 semester hours	___ ___
Area IV.	**History, Social and Behavioral Sciences** (12 semester hours)		
	History	3 semester hours	___
	General Psychology	3 semester hours	___
	Behavioral Science or Social Science Electives	6 semester hours	___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

Foundations of Physical Education **or**		
HPE 326 History and Principles of Physical Education	3 semester hours	___
Personal **or** Community Health	3 semester hours	___
Safety & First Aid **or** HPE 323 Aquatics and Advanced Lifesaving	3 semester hours	___
Anatomy and Physiology	4 semester hours	___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
Treatment of Athletic Injuries **or**		
HPE 333 Care and Prevention of Athletic Injuries	3 semester hours	___
General Electives	3 semester hours	___
TOTAL MAJOR PREREQUISITE COURSES:	**22 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

GS 320/320L **or** HPE 320 Nutrition	4 semester hours ___
HPE 325 Kinesiology	3 semester hours ___
HPE 327 Physiology of Exercise	3 semester hours ___
HPE 355 Health Related Fitness and Nutrition	3 semester hours ___
HPE 356 Health Promotions	3 semester hours ___
HS 450 Introduction to Epidemiology	3 semester hours ___
HS 451 Environmental Health and Safety Systems	3 semester hours ___
MG 349 Human Resources Management	3 semester hours ___
PSHA 354 Contemporary Health and Physical Education Activities	3 semester hours ___
PSHA 401 Measurement and Evaluation	3 semester hours ___
PSHA 447 Public Health Concepts and Systems	3 semester hours ___
PSHA 465 Senior Research Project	4 semester hours ___
TOTAL PROFESSIONAL HOURS:	**38 SEMESTER HOURS**

5. **GENERAL ELECTIVES** — **26 Semester Hours** ___ ___ ___ ___ ___ ___ ___ ___ ___

6. **TOTAL HOURS FOR GRADUATION:** **124-128 SEMESTER HOURS**

HISTORY (HY)

The bachelors degree in History aims to develop in its students an appreciation of our cultural heritage and an understanding of the world in which we live. Through rigorous coursework, students acquire an understanding of the chief personalities, events, and historical forces that have shaped American history, European history, and various areas of the non-Western world. Program graduates have the skills and competencies to pursue graduate studies, gain employment in positions open to a liberal studies orientation, or teach history at the secondary school level.

Bachelor of Arts - History Major
MAJOR CODE: 54.0101

Program components for the Bachelor of Arts degree with a major in History include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

The history major should complete a 6 hour semester sequence in history (Western Civilization, World History, or United States History) in addition to satisfying the Area IV requirement.

(In addition to Area IV)	6 semester hours	___ ___
Electives in History	6 semester hours	___ ___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
Free Electives.	9 semester hours	___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**24 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**65 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**
300 and 400 level courses:

American History	12 semester hours	___ ___ ___ ___
European History	12 semester hours	___ ___ ___ ___
Non-Western History	6 semester hours	___ ___
HY 451 Senior History Seminar	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 33 SEMESTER HOURS

5. The student should realize that for graduate school a reading knowledge of one or two languages generally is required.

6. A minor is required. **18 semester hours**

7. **GENERAL ELECTIVES 12 semester hours** ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION 128 semester hours**

The following minor can be obtained in the area of History:

- **History**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Arts - History Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 54.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and
6) complete the 12 semester hours in History sequence as required by the degree before being admitted to the Teacher Education Program.

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	The Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities/Fine Arts Elective	3 semester hours	___
	Literature	3 semester hours	___
Area III.	**Natural Sciences and Mathematics** (11 semester hours)		
	Finite Math or higher	3 semester hours	___
	Natural Sciences (lab based required)	8 semester hours	___ ___
Area IV.	**History, Social and Behavioral Sciences** (12 semester hours)		
	U.S History I and II	6 semester hours	___ ___
	General Psychology	3 semester hours	___
	Behavioral Science or Social Science Elective	3 semester hours	___
	TOTAL GENERAL EDUCATION REQUIREMENTS:	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
History of Western Civilization I, II **or** World History I, II**	6 semester hours	___ ___
Free Electives	12 semester hours	___ ___ ___ ___

History of Western Civilization **or World History must be taken as a sequence.

TOTAL MAJOR PREREQUISITE COURSE HOURS:	**21 SEMESTER HOURS**
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:	**62 SEMESTER HOURS**

4. **PROFESSIONAL COURSES**

American History	12 semester hours	___ ___ ___ ___
European History	12 semester hours	___ ___ ___ ___
Non-Western History (Neither American nor European)	6 semester hours	___ ___
HY 451 Senior History Seminar	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 33 SEMESTER HOURS

5. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours	___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
HY 302 Alabama History	3 semester hours	___
HY 450 Materials and Methods of Teaching History and Social Sciences in Middle School/High School	3 semester hours	___
SC 486 Internship in High School Education	9 semester hours	___ ___ ___

TOTAL REQ. FOR LICENSURE/CERTIFICATION: 39 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION: 134 SEMESTER HOURS

JUSTICE STUDIES (JS)

The bachelors degree in Justice Studies provides students with a knowledge base of the criminal law process, theoretical concepts of crime causation and control, and policymaking and management practices within criminal justice agencies. Program graduates have the skills and competencies to pursue graduate studies in the criminal justice field or gain employment in positions in law enforcement, correctional administration, judicial administration, probation/parole, and security in government and private sectors.

Bachelor of Science - Justice Studies Major
MAJOR CODE: 43.0104

Program components of the Bachelor of Science degree with a major in Justice Studies include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Additional courses in Humanities/Fine Arts	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Additional courses in History/Behavioral and Social Sciences	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PREPROFESSIONAL):**

Introduction to Criminal Justice	3 semester hours	___
Law Enforcement **or** Policing **or** Corrections **or** Security	3 semester hours	___
CIS 146 Microcomputer Applications **or** CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	14 semester hours	___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

JS 301 Criminal Justice Process	3 semester hours	___
JS/PO 302 Criminal Law	3 semester hours	___
JS 400 Law Enforcement in America	3 semester hours	___
JS/SO 401 Adult Corrections	3 semester hours	___
JS/SO 452 Advanced Criminology	3 semester hours	___
PO 303 Comparative State and Local Government	3 semester hours	___
PO/PS/SO 342 Methods of Behavioral Science Research **or** PSHA 401 Measurement and Evaluation	3 semester hours	___
MG/PSHA/PO 377 Public Administration	3 semester hours	___
JS/PO/PSHA 455 Public Administration Ethics	3 semester hours	___
JS 465 Senior Research Project	4 semester hours	___
Justice Studies Electives	6 semester hours	___ ___
TOTAL PROFESSIONAL HOURS:	**37 SEMESTER HOURS**	

5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework must be completed at Athens State University.

6. A minor **is not** required.

7. **GENERAL ELECTIVES** **27 Semester Hours** ___ ___ ___ ___ ___ ___ ___ ___ ___

TOTAL HOURS FOR GRADUATION **128 SEMESTER HOURS**

The following minor can be obtained in the area of Justice Studies:

- **Justice Studies.**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

LIBERAL STUDIES

The Liberal Studies major is offered through the College of Arts and Sciences but does not fall under any specific academic department. The program is based on an interdisciplinary approach that allows students the flexibility to develop their own unique program of study by taking courses from any one of the Colleges of Arts and Sciences, Business, or Education. Primarily, the program serves the needs of those students seeking to enrich and to satisfy their personal educational goals through non-specialized collegiate study. The curriculum is structured to produce graduates who possess a diverse range of coursework appropriate to any career that demands a college education but is not closely linked to any particular field of study. Program graduates have the skills and competencies to pursue further studies or seek employment.

While generally no specified major courses are required for the Liberal Studies major, the student must comply with all requirements for the Bachelor of Science degree and applicable university requirements (See General University Requirements). Students will be required to select and pass a capstone course of their choice from one of the disciplines offered by the University. Students should make this decision based on advice from the Liberal Studies advisor.

The following limitations apply to the Bachelor of Science in Liberal Studies:

- A minor is not permitted in the Liberal Studies program.
- Liberal Studies may not be considered as a minor to any other degree program.
- Liberal Studies may not be considered as a second major with any other degree program.
- The Bachelor of Science in Liberal Studies degree will be awarded only to students who have not declared a major in another program of study.
- The Bachelor of Science in Liberal Studies degree will not be awarded concurrently with any other major.

Bachelor of Science - Liberal Studies Major
MAJOR CODE: 24.0101

Program components for the Bachelor of Science degree with a major in Liberal Studies include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Fine Arts/Humanities/Literature electives	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Additional History/Behavioral and Social Science courses	9 semester hours	___ ___ ___
TOTAL GENERAL EDUCATION REQUIREMENTS		**41 SEMESTER HOURS**	

3. **PRE-PROFESSIONAL AND ELECTIVE COURSES:**

CIS 146 Microcomputer Applications **or**
CIS 301 Problem Solving with Computers 3 semester hours ___
General Electives 20 semester hours

_____ _____ _____ _____

_____ _____ _____

TOTAL PRE-PROFESSIONAL HOURS 23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

General electives at the 300 and 400 level 60 semester hours*

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

*To include HU 450 Liberal Studies Capstone Seminar. ___

Any new student enrolled as of Fall Semester, 2007 who has not successfully completed a capstone course prior to Spring Semester, 2010, **must** successfully complete HU 450 Liberal Studies Capstone Seminar.

New students enrolled prior to Fall Semester 2007 are **not** required to take any capstone course, but **are encouraged** to do so.

TOTAL HOURS FOR GRADUATION 124 SEMESTER HOURS

MATHEMATICS (MA)

The bachelors degree in Mathematics prepares students for careers in government, business, and industry or for pursuing graduate studies. The program offers two tracks. Track I is designed to more appropriately prepare students for employment in business and industry in areas requiring detailed and exact scientific analysis. Track II prepares the student to teach mathematics at the secondary school level and meets requirements for certification by the Alabama State Department of Education. Either track will qualify students to pursue graduate studies.

Bachelor of Science - Mathematics Major (Track 1)
MAJOR CODE: 27.0101

Program components for the Bachelor of Science degree with a major in Mathematics include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Additional Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra	3 semester hours	___
	Natural Science (lab-based) required	8 semester hours	___ ___
	Calculus-based Physics I and II recommended		
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Additional History/Behavioral and Social Science Courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PREPROFESSIONAL):**

Students planning to major in mathematics at Athens State University are required to complete the following courses:

CIS 146 Microcomputer Application **or**		
CS 301 Problem Solving With Computers	3 semester hours	___
Precalculus Trigonometry	3 semester hours	___
Calculus Sequence	12 semester hours	___ ___ ___ ___
General Electives	1-5 semester hours	___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**19-23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

MA 308 Discrete Mathematics	3 semester hours	___
MA 310 Matrices and Linear Algebra **or** its equivalent	3 semester hours	___
MA 320 Introduction to Abstract Algebra	3 semester hours	___
MA 330 Advanced Mathematical Software	3 semester hours	___
MA 421 Differential Equations	3 semester hours	___
MA 431 Introduction to Mathematical Statistics	3 semester hours	___
Computer Programming Language Sequence (preferably CS 317, CS 318)	6 semester hours	___ ___

Plus THREE (3) mathematics electives from the following: 9 semester hours ___ ___ ___

MA 316 Vector Analysis
MA 401 Complex Variables
MA 423 Numerical Analysis
MA 428 Partial Differential Equations
MA 441 Special Topics in Mathematics
MA 445 Mathematical Modeling and Simulation
MA 450 Advanced Calculus I
MA 451 Advanced Calculus II
MA 452 Introductory Real Analysis*

Additionally, at least ONE 2-SEMESTER SEQUENCE must be completed for the Mathematics Major. Options are:
MA 401 Complex Variables and MA 452 Introductory Real Analysis **or**
MA 421 Differential Equations and MA 428 Partial Differential Equations **or**
MA 450 Advanced Calculus I and MA 451 Advanced Calculus II

TOTAL PROFESSIONAL HOURS: **33 SEMESTER HOURS**

*Recommended if planning to attend graduate school. If considering an alternative certificate program, MA 314 College Geometry is recommended as a general elective.

5. **The Mathematics major must complete a minimum of 12 semester hours of upper division 300/400 level mathematics coursework at Athens State University. To be used toward completing a Mathematics major at Athens State, any mathematics course transferred to Athens State must be a grade of C or higher. Mathematics majors must maintain a 2.5 G.P.A. in mathematics courses taken at Athens State University.**

6. A minimum 18 semester hour MINOR is required and must be approved by a Mathematics faculty advisor. **18 semester hours**

7. **GENERAL ELECTIVES** **13 semester hours**

8. **TOTAL HOURS FOR GRADUATION** **124-128 SEMESTER HOURS**

9. **EXIT EXAM**
An exit exam is required. The student should contact their mathematics advisor to schedule the exit exam. It is the student's responsibility to schedule and take the exit exam. It is suggested that the exit exam be taken during the term prior to the student's last semester. The B.S. mathematics with 18 hours minor exit exam covers topics and problems from algebra, trigonometry, the calculus sequence, discrete mathematics, linear algebra, introduction to abstract algebra, differential equations, and introduction to mathematical statistics.

The following minor can be obtained in the area of Mathematics:

- **Mathematics.**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Science - Mathematics Major (Track 2)
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 27.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes may be repeated one time only ED, EL, ER, SC, SE, CE, and HPE; and
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	Literature*	3 semester hours	___
		or 6 semester hours	___ ___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities/Fine Arts Elective	0 semester hours	___
		or 3 semester hours	___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Precalculus Algebra	3 semester hours	___
	Natural Science (lab-based) required	8 semester hours	___ ___
	Calculus-based Physics I and II recommended.		
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	History*	3 semester hours	___
		or 6 semester hours	___ ___
	General Psychology	3 semester hours	___
	History/Behavioral **or** Social Science Elective	3 semester hours	___
		or 6 semester hours	___ ___

***Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.**

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications **or**		
CS 301 Problem Solving with Computers	3 semester hours	___
Precalculus Trigonometry	3 semester hours	___
Calculus Sequence	12 semester hours	___ ___ ___ ___
General Electives	1-5 semester hours	___ ___
TOTAL PRE-PROFESSIONAL HOURS:	**19-23 SEMESTER HOURS**	

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

MA 308 Discrete Mathematics	3 semester hours	___
MA 310 Matrices and Linear Algebra **or** its equivalent	3 semester hours	___
MA 314 College Geometry**	3 semester hours	___
MA 320 Introduction to Abstract Algebra	3 semester hours	___
MA 330 Advanced Mathematical Software	3 semester hours	___
MA 331 Applied Probability and Statistics	3 semester hours	___
MA 441 Special Topics in Mathematics	3 semester hours	___
Computer Programming Language, CS 317 Computer Science I (C++), **or** its equivalent	3 semester hours	___
Plus THREE (3) Mathematics Electives from the following:	9 semester hours	___ ___ ___

MA 316 Vector Analysis
MA 401 Complex Variables *
MA 421 Differential Equations***
MA 423 Numerical Analysis
MA 428 Partial Differential Equations
MA 431 Introduction to Mathematical Statistics
MA 445 Mathematical Modeling and Simulation
MA 450 Advanced Calculus I
MA 451 Advanced Calculus II
MA 452 Introductory Real Analysis*

*Recommended if planning to attend graduate school.
**Prerequisite for MA 454 Materials and Methods of Teaching Mathematics in Middle School/High School.
***If a curriculum change is made from Track II to Track I, all Track I requirements must be met.

TOTAL PROFESSIONAL HOURS **33 SEMESTER HOURS**

5. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hour	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours	___
MA454 Materials and Methods of Teaching Mathematics in Middle School/ High School	3 semester hours	___
SC 486 Internship in High School Education	9 semester hours	___ ___ ___

TOTAL REQ. FOR LICENSURE/CERTIFICATION: **36 SEMESTER HOURS**

TOTAL HOURS FOR GRADUATION **129-133 SEMESTER HOURS**

6. **EXIT EXAM**

An exit exam is required. The mathematics exit exam is the PRAXIS II Math content exam required by the State of Alabama for certification in mathematics. This PRAXIS II exam is administered by ETS. It is the student's responsibility to schedule and take the exit exam. It is required by the College of Education that the Math Content PRAXIS II is passed prior to internship. Students are required to submit a copy of their score and break-out scores to their Math advisor.

POLITICAL SCIENCE (PO)

The bachelor's degree in Political Science provides students with a foundation in American and non-American politics through rigorous coursework across seven areas of political science: American national government, American state and local government, public policy, constitutional law, public administration, international relations, and foreign policy. In addition, students are provided a foundation on research methodology and undertake a discipline-related observational experience. The curriculum is structured to provide students with a background appropriate for a prelaw school experience. Program graduates have the skills and competencies necessary for entry into a graduate program in Public Administration, or pursue career opportunities in law-related fields, public administration, or teaching government and politics at the secondary school level. *Note: The Bachelor of Art degree requires a minor in another field.

Bachelor of Arts - Political Science Major
MAJOR CODE: 45.1001A

Program components for the Bachelor of Arts degree with a major in Political Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for a major(s).
- complete all course requirements for a minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

Western Civilization **or** World History	3 semester hours	___
American National Government **or** PO 304 Problems of American Government	3 semester hours	___
State and Local Government **or** PO 303 Comparative State and Local Government **or** Foreign National Government	3 semester hours	___
CIS 146 Microcomputer Applications **or** CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	11 semester hours	___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

PO 303 Comparative State and Local Government	3 semester hours	___
PO 304 Problems of American Government	3 semester hours	___
PO 307 American Constitutional Law **or** PO 364 Civil Liberties	3 semester hours	___
PO 308 America and the World	3 semester hours	___
PO 342 Methods of Behavioral Science Research	3 semester hours	___
PO 351 American Public Policy	3 semester hours	___
PO 377 Public Administration	3 semester hours	___
PO 453 International Relations	3 semester hours	___
PO 465 Senior Research Project	4 semester hours	___
Electives in Political Science	9 semester hours	___ ___ ___
TOTAL PROFESSIONAL HOURS:	**37 SEMESTER HOURS**	

5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework should be completed at Athens State University.

6. A Faculty Advisor approved minor is required. 18 Semester Hours

7. **GENERAL ELECTIVES** **9 Semester Hours** ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** **128 SEMESTER HOURS**

Bachelor of Science - Political Science Major
MAJOR CODE: 45.1001B

Program components for the Bachelor of Science degree with a major in Political Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for a major(s).
- complete all course requirements for a minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

Western Civilization **or** World History	3 semester hours	___
American National Government **or**		
PO 304 Problems of American Government	3 semester hours	
State and Local Government **or**		
PO 303 Comparative State and Local Government **or**		
Foreign National Government	3 semester hours	___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	11 semester hours	___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

PO 303 Comparative State and Local Government	3 semester hours	___
PO 304 Problems of American Government	3 semester hours	___
PO 307 American Constitutional Law **or** PO 364 Civil Liberties	3 semester hours	___
PO 308 America and the World	3 semester hours	___
PO 342 Methods of Behavioral Science Research	3 semester hours	___
PO 351 American Public Policy	3 semester hours	___
PO 377 Public Administration	3 semester hours	___
PO 453 International Relations	3 semester hours	___
PO 465 Senior Research Project	4 semester hours	___
Electives in Political Science	9 semester hours	___ ___ ___
TOTAL PROFESSIONAL HOURS:	**37 SEMESTER HOURS**	

5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework should be completed at Athens State University.

6. A minor is **not** required.

7. **GENERAL ELECTIVES** **27 semester hours** ___ ___ ___ ___ ___ ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** **128 SEMESTER HOURS**

The following minor can be obtained in the area of Political Science:

- **Political Science.**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

PSYCHOLOGY (PS)

The bachelors degrees in Psychology aspire to assist students in planning for their careers. The Bachelor of Art degree is recommended for those seeking to enter graduate school. The Bachelor of Science degree is for those who wish to seek employment after graduation. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills; and (5) communicating effectively orally and in writing.

Bachelor of Arts - Psychology Major
MAJOR CODE: 42.0101A

Program components for the Bachelor of Arts degree with a major in Psychology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition	6 semester hours	___ ___
Area II. Humanities/Fine Arts (12 semester hours)		
At least one fine arts course	3 semester hours	___
At least one literature course	3 semester hours	___
Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III. Mathematics and Natural Sciences (11 semester hours)		
Finite Math or its equivalent required	3 semester hours	___
Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV. History/Behavioral and Social Sciences (12 semester hours)		
At least one history course	3 semester hours	___
Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

General Psychology	3 semester hours	___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
Electives in Psychology	6 semester hours	___ ___
General Electives	11 semester hours	___ ___ ___ ___
TOTAL PRE-PROFESSIONAL HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:

PS 331 Social Psychology	3 semester hours	___
PS 332 Child Psychology **or** PS 334 Adolescent Psychology	3 semester hours	___
PS 336 Psychology of Learning **or** PS 410 History and Systems of Psychology	3 semester hours	___
PS 341 Statistics with Advanced Topics in Behavioral Sciences	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
PS 380/PS 380L Experimental Psychology	4 semester hours	___
PS 406 Physiological Psychology	3 semester hours	___
PS 420 Cognitive Psychology	3 semester hours	___
PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Faculty Advisor approved Psychology electives	12 semester hours	___ ___ ___ ___
TOTAL PROFESSIONAL HOURS:	**40 SEMESTER HOURS**	

5. A minimum of 24 semester hours of upper division psychology coursework must be completed at Athens State University.

6. A Faculty Advisor approved minor is required. 18 semester hours

7. **GENERAL ELECTIVES** **6 Semester Hours** ___ ___
The student is encouraged to select electives which will prepare him/her to obtain the highest possible score on the Graduate Record Examination (GRE). Such courses would include geometry, additional literature courses, and science courses.

8. **TOTAL HOURS FOR GRADUATION:** **128 SEMESTER HOURS**

Bachelor of Science - Psychology Major
MAJOR CODE: 42.0101B

Program components for the Bachelor of Science degree with a major in Psychology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	____
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

General Psychology	3 semester hours	___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
Electives in Psychology	6 semester hours	___ ___
General Electives	11 semester hours	___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**
 The following courses must be completed at the 300/400 level:

PS 331 Social Psychology	3 semester hours	___
PS 332 Child Psychology **or** PS 334 Adolescent Psychology	3 semester hours	___
PS 336 Psychology of Learning **or** PS 410 History and Systems of Psychology	3 semester hours	___
PS 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
PS 380/PS 380L Experimental Psychology	4 semester hours	___
PS 406 Physiological Psychology	3 semester hours	___
PS 420 Cognitive Psychology	3 semester hours	___
PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Faculty Advisor approved Psychology electives	12 semester hours	___ ___ ___ ___
TOTAL PROFESSIONAL HOURS:	**40 SEMESTER HOURS**	

5. A minimum of 24 semester hours of upper division psychology coursework must be completed at Athens State University.

6. A minor is **not** required.

7. **GENERAL ELECTIVES** **24 semester hours** ___ ___ ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION:** **128 SEMESTER HOURS**

The following minor can be obtained in the area of Psychology:

- **Psychology.**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

PUBLIC SAFETY AND HEALTH ADMINISTRATION (PSHA)

The Bachelor of Science degree in Public Safety and Health Administration provides students an educational background focused in the administration of public agencies at all levels of government, which promote community health and safety. The program is mostly aimed at students with working experience in preventing, responding, managing, and reducing the consequences of public emergencies. Through rigorous coursework, the program prepares professionals in emergency response and allied health agencies for increased management and administration responsibilities, thus enhancing career opportunities.

Bachelor of Science - Public Safety and Health Administration Major
MAJOR CODE: 43.0201

Program components of the Bachelor of Science degree with a major in Public Safety and Health Administration include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

The Public Safety and Health Administration major must complete		
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
The remaining hours in Area V must be completed in Fire Sciences, Nursing, Fire Services Management (FCS), Criminal Justice (CJ), Emergency Medical Services (EMS), Allied Health, or Environmental Technology (EVT)	20 semester hours	___ ___ ___ ___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

PO 303 Comparative State and Local Government	3 semester hours	___
PO 342 Methods of Behavioral Science Research or		
PSHA 401 Measurement and Evaluation	3 semester hours	___
PSHA 349 Human Resources Management	3 semester hours	___
PSHA 350 Introduction to the American Legal System or		
PO 355 Health Policy in the U.S.	3 semester hours	___
PSHA 354 Contemporary Health and Physical Education Activities	3 semester hours	___
PSHA 377 Public Administration	3 semester hours	___
PO/PSHA 380 Public Finance	3 semester hours	___
PSHA 446 Public Safety Concepts and Systems	3 semester hours	___
PSHA 447 Public Health Concepts and Systems	3 semester hours	___
PSHA 448 Managing the Public Safety and Health Emergency	3 semester hours	___
PSHA 451 Environmental Health and Safety Systems	3 semester hours	___
PSHA 455 Public Administration Ethics	3 semester hours	___
PSHA 465 Senior Research Project	4 semester hours	___
TOTAL PROFESSIONAL HOURS:	**40 SEMESTER HOURS**	

5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework must be completed at Athens State University.

6. A minor is **not** required.

7. **GENERAL ELECTIVES** **20 Semester Hours** ___ ___ ___ ___ ___ ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION:** **124 SEMESTER HOURS**

PUBLIC SAFETY AND HEALTH ADMINISTRATION EXTRA-INSTITUTIONAL CREDIT

Students majoring in Public Safety and Health Administration may be eligible to obtain up to a maximum of 12 semester hours upper-division academic credit for experience and advanced professional certifications. Academic credit may be awarded for official professional certification in a public safety and/or allied health field and/or work experience in a public safety or allied health supervisory and/or administrative position. Credit for basic certificates or credit previously awarded at another level or through another institution will not be duplicated.

Students meeting the qualifications for extra-institutional credit must register for particular courses based upon the students' credentials. Each course is 3 semester hours credit, and carries the standard per hour tuition. Students assume the responsibility for registering for the appropriate course(s), and for submitting to their Public Safety and Health Administration Faculty Advisor all appropriate certificate copies and documentation of appropriate work experiences. Students successfully documenting advanced professional skills and administrative experience will be awarded a score of P (passing) for appropriate coursework. Students may not register for this coursework their first term at Athens State University, but may register for this coursework during any subsequent term.

The particular courses for which qualified students should register are listed below with appropriate criteria.

PSHA 459 Public Safety or Healthcare Supervisor (Must provide a letter of appointment from agency)
PSHA 460 Public Safety or Healthcare Manager/Administrator (Must provide a letter of appointment from agency)
PSHA 461 Paramedic/Public Safety or Healthcare Instructor (Must provide copy of certificate or license)
PSHA 462 Haz-Mat Technician (Must provide copy of certificate)
PSHA 463 Haz-Mat Specialist (Must provide copy of certificate)

RELIGION (RE)

The bachelors degree in Religion provides students with a broad based knowledge in religion. The degree's core contains rigorous coursework in four major areas of study: (1) world religion including the history of religion, (2) moral values and theology, (3) biblical studies, and (4) sociology of religion. The curriculum focuses on ideas and practices of ancient and modern religions. The program covers these ideas and practices on several levels. It looks at the sacred texts of different religious traditions, the relationship between religion and culture, the historical and literary aspects of the religion, and the sociological research methods needed for understanding the evolution of religious thought throughout history. Program graduates will possess the knowledge, skills, and competencies to engage in ongoing discussion and research of the world's religions and their writings. The program also prepares students to pursue a religious vocation, further education at a graduate level, or enter careers in ministry or teaching.

Bachelor of Arts - Religion Major
MAJOR CODE: 38.0201A

Program components for the Bachelor of Arts with a major in Religion include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**

Survey of the Old Testament **or**		
Survey of the New Testament	3 semester hours	___
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
General Electives	17 semester hours	___ ___ ___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**19-23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**60-64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

Comparative Religion **or** History of World Religions **or**
RE 301 Religions That Shaped the World 3 semester hours ___
PH 300 Moral Values in Today's Society **or**
RE 403 Religion in Life 3 semester hours ___

Survey of Church History I **or**
Survey of Church History II **or**
RE 312 History of Judaism **or**
RE 314 History of Islam **or**
HY 310 History of American Religion 3 semester hours ___

RE 409 Christian Thought in Early Centuries **or**
RE 412 The Hebrew Prophets **or**
RE 413 Psalms and Wisdom Literature 3 semester hours ___

RE 327 Sociology of Religion 3 semester hours ___
RE 351 Introduction to Christian Thought 3 semester hours ___
RE 416 Interpreting the Text 3 semester hours ___
RE 464 Religious Studies Capstone Course 1 semester hour ___
Electives from the Area of Religion **or** Philosophy at the 300/400 level 9 semester hours ___ ___ ___

TOTAL PROFESSIONAL HOURS: 31 semester hours

5. A minor is **not** required, but encouraged.

6. **GENERAL ELECTIVES (Without a minor) 33 semester hours** ___ ___ ___
___ ___ ___ ___
___ ___ ___ ___

GENERAL ELECTIVES (With an 18 semester hour minor) 15 semester hours ___ ___ ___
___ ___

7. **TOTAL HOURS FOR GRADUATION 124-128 semester hours**

8. It is recommended that religion and philosophy students planning to attend graduate school or seminary take at least 6 semester hours of foreign languages. The most common languages used in these disciplines are French, German, Greek, and ebrew.

9. Philosophy or religion minor, church finance minor, behavioral science minor, religious education minor or philosophy minor. 18 semester hours

The following minors can be obtained in the area of Religion:

- **Behavioral Science**
- **Church Finance**
- **Philosophy**
- **Religion**
- **Religious Education.**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

SOCIAL SCIENCE (SS)

The Social Science degree has a major concentration in history combined with a variety of courses in political science, economics, geography, and the behavioral sciences. This interdisciplinary approach is aimed at enhancing a student's understanding of history, society, government, and world affairs. Social science graduates have the skills and competencies to pursue graduate studies, gain employment in a variety of career fields in government and the private sector, or teach social sciences at the secondary school level.

Bachelor of Science - Social Science Major
MAJOR CODE: 45.0101

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition	6 semester hours	___ ___
Area II. Humanities and Fine Arts (12 semester hours)		
The Arts	3 semester hours	___
Speech (SPH 106 or SPH 107)	3 semester hours	___
Humanities Elective	3 semester hours	___
Literature	3 semester hours	___
Area III. Natural Sciences and Mathematics (11 semester hours)		
Finite Math or its equivalent required	3 semester hours	___
Natural Sciences (lab based required)	8 semester hours	___ ___
Area IV. History, Social and Behavioral Sciences (12 semester hours)		
US History I and II	6 semester hours	___ ___
General Psychology	3 semester hours	___
Introduction to Sociology **or** an approved Social and Behavioral Science Elective	3 semester hours	___
TOTAL GENERAL EDUCATION REQUIREMENTS:	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications **or** CIS 301 Problem Solving with Computers	3 semester hours	___
Western Civilization I and II **or** World History I and II	6 semester hours	___ ___
Introduction to American National Government **or** PO 304 Problems of American Government	3 semester hours	___
Macroeconomics	3 semester hours	___
Microeconomics	3 semester hours	___
Geography 100 **or** GO 300 World Regional Geography	3 semester hours	___
Elective	3 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**24 SEMESTER HOURS**	
TOTAL GEN. ED. AND MAJOR PREREQUISITE HOURS:	**65 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

HY 302 Alabama History	3 semester hours	___
HY 307 American Constitutional Law	3 semester hours	___
HY 308 America and the World	3 semester hours	___
HY 451 Senior History Seminar	3 semester hours	___
American History (Choose two of the following)	6 semester hours	___ ___
HY 304 Revolutionary American History		
HY 305 American Expansion in the 19th Century		
HY 306 20th Century America		
HY 309 American Civil War and Reconstruction **or** an approved elective in American History		
HY 351 Columbus and the Age of Discovery, 1400-1600		
Non-American History (Choose two of the following)	6 semester hours	___ ___
HY 312 Early Modern Europe, 1610-1789		
HY 313 Revolutionary Europe		
HY 314 19th Century Europe		
HY 315 20th Century Europe		
HY 321 England and Britain to 1688 **or** HY 322 England and Britain **or** HY 323 Tudor and Stuart Britain, 1485-1714		
HY 334 Middle East		
HY 342 Modern Russia **or** an approved elective in Non-American History		
Social Science Requirements:		
PO 303 Comparative State and Local Government **or** PO 305 Alabama Government	3 semester hours	___
PO 351 American Public Policy	3 semester hours	___
PO 453 International Relations	3 semester hours	___
HY/GO 340 South America, Africa and Asia	3 semester hours	___
TOTAL PROFESSIONAL COURSE HOURS	**36 SEMESTER HOURS**	

5. **General Electives** **27 semester hours** ___ ___ ___ ___ ___ ___ ___ ___ ___

TOTAL HOURS FOR GRADUATION **128 SEMESTER HOURS**

Bachelor of Science - Social Science Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 45.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

1) complete the below listed requirements to include the minor for certification and licensure;
2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP);
6) complete the 12 semester hours in History sequences and the 6 semester hours in Macroeconomics and Microeconomics as required by the degree before being admitted to the Teacher Education Program.

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for a major(s).
- complete all course requirements for a minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities and Fine Arts** (12 semester hours)		
	The Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities/Fine Arts Elective.	3 semester hours	___
	Literature	3 semester hours	___
Area III.	**Natural Sciences and Mathematics** (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based required)	8 semester hours	___ ___
Area IV.	**History, Social and Behavioral Sciences** (12 semester hours)		
	U.S History I and II	6 semester hours	___ ___
	General Psychology	3 semester hours	___
	Introduction to Sociology **or** an approved Social and Behavioral Science Elective	3 semester hours	___
	TOTAL GENERAL EDUCATION REQUIREMENTS:	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Appli. **or** CIS 301 Problem Solving with Computers	3 semester hours	___
Western Civilization I and II **or** World History I and II	6 semester hours	___ ___
Intro to American National Govn. **or** PO 304 Problems of American Govn.	3 semester hours	___
Macroeconomics	3 semester hours	___
Microeconomics	3 semester hours	___
Geography 100 **or** GO 300 World Regional Geography	3 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**21 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:	**62 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**

HY 302 Alabama History	3 semester hours	___
HY 307 American Constitutional Law	3 semester hours	___
HY 308 America and the World	3 semester hours	___
HY 451 Senior History Seminar	3 semester hours	___
American History (Choose two of the following)	6 semester hours	___ ___
HY 304 Revolutionary American History		
HY 305 American Expansion in the 19th Century		
HY 306 20th Century America		
HY 309 American Civil War and Reconstruction **or** an approved elective in American History		
HY 351 Columbus and the Age of Discovery, 1400-1600		
Non-American History (Choose two of the following)	6 semester hours	___ ___
HY 312 Early Modern Europe, 1610-1789		
HY 313 Revolutionary Europe		
HY 314 19th Century Europe		
HY 315 20th Century Europe		
HY 321 England and Britain to 1688 **or** HY 322 England and Britain **or** HY 323 Tudor and Stuart Britain, 1485-1714		
HY 334 Middle East		
HY 342 Modern Russia **or** an approved elective in Non-American History		
Social Science Requirements:		
PO 303 Comparative State and Local Government **or** PO 305 Alabama Government	3 semester hours	___
PO 351 American Public Policy	3 semester hours	___
PO 453 International Relations	3 semester hours	___
HY/GO 340 South America, Africa and Asia	3 semester hours	___
EC 310 Modern Economics **or** EC 320 Introduction to International Commerce	3 semester hours	___
TOTAL PROFESSIONAL HOURS	**39 SEMESTER HOURS**	

5. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours	___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
SS 450 Materials and Methods of Teaching History and Social Sciences in the Middle School/High School	3 semester hours	___
SC 486 Internship in High School Education	9 semester hours	___ ___ ___

TOTAL REQ. FOR LICENSURE/CERTIFICATION:	**36 SEMESTER HOURS**
TOTAL HOURS FOR GRADUATION	**137 SEMESTER HOURS**

SOCIOLOGY (SO)

The bachelors degrees in Sociology aspire to assist students in planning for their careers. The Bachelor of Art degree is for those who wish to pursue further graduate training. The Bachelor of Science degree is for those who wish to seek employment after graduation. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills; and (5) communicating effectively orally and in writing.

Bachelor of Arts - Sociology Major
MAJOR CODE: 45.1101A

Program components for the Bachelor of Arts degree with a major in Sociology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
Electives in Sociology	6 semester hours	___ ___
General Electives	14 semester hours	___ ___ ___ ___ ___
TOTAL PRE-PROFESSIONAL HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level.

SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 314 Population Study	3 semester hours	___
SO 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours	___
SO 342 Methods of Behavioral Science Research	3 semester hours	___
SO 360 Contemporary American Family	3 semester hours	___
SO 361 Social Analysis	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
SO 460 Sociological Theories	3 semester hours	___
SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Electives in Sociology	9 semester hours	___ ___ ___
TOTAL PROFESSIONAL HOURS:	**36 SEMESTER HOURS**	

5. A minor is required **18 semester hours**

6. **GENERAL ELECTIVES** **10 semester hours** ___ ___ ___ ___

7. **TOTAL HOURS FOR GRADUATION:** **128 SEMESTER HOURS**

Bachelor of Science - Sociology Major
MAJOR CODE: 45.1101B

Program components for the Bachelor of Science degree with a major in Sociology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	**Written Composition**	6 semester hours	___ ___
Area II.	**Humanities/Fine Arts (12 semester hours)**		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ ___ ___
	TOTAL GENERAL EDUCATION REQUIREMENTS	**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

The Sociology major must complete		
CIS 146 Microcomputer Applications **or**		
CIS 301 Problem Solving with Computers	3 semester hours	___
Electives in Sociology	6 semester hours	___ ___
General Electives	14 semester hours	___ ___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS:	**23 SEMESTER HOURS**	
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**64 SEMESTER HOURS**	

4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:

SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 314 Population Study	3 semester hours	___
SO 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours	___
SO 342 Methods of Behavioral Science Research	3 semester hours	___
SO 360 Contemporary American Family	3 semester hours	___
SO 361 Social Analysis	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
SO 460 Sociological Theories	3 semester hours	___
SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Electives in Sociology	9 semester hours	___ ___ ___
TOTAL PROFESSIONAL HOURS:	**36 SEMESTER HOURS**	

5. A minor is **not** required.

6. **GENERAL ELECTIVES:** **28 semester hours** ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

7. **TOTAL HOURS FOR GRADUATION:** **128 SEMESTER HOURS**

The following minor can be obtained in the area of Sociology:

- **Sociology**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

COLLEGE OF ARTS AND SCIENCES MINORS

ART MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Art minors should notify a member of the art faculty of tbeir intentions as soon as the art minor is declared. A minor in art consists of 18 semester hours of art coursework, including the following courses or their equivalent:

AR 312 Figure Drawing	3 semester hours	___
AR 423 History of Modern Art	3 semester hours	___
AR 424 Late Modern Art History	3 semester hours	___
AR 430 Advanced Drawing and Design or AR 410 Adobe lllustrator Design	3 semester bours	___
Art electives	6 semester hours	___ ___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

ART MINOR FOR ART MAJORS ONLY

AR 314 Watercolor lll	3 semester hours	___
AR 317 Ceramic Sculpture	3 semester hours	___
AR 331 Photography ll	3 semester hours	___
AR 343 Renaissance Art History	3 semester hours	___
*AR 401 Advanced Figure Drawing , *AR 313 Portrait Drawing or *6 hours of art electives in concentration areas	6 semester hours	___ ___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

ART HISTORY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Tbe Art History minor will teach students to analyze the visual history, art theory, and art criticism of visual traditions in the world. A minor in Art History is particularly suited for students pursuing careers in art, art education, history, anthropology, arcbaeology, classics, English, foreign literature, cultural studies, international business, and arts administration. The study of art history improves a student's visual perception and enhances tbeir critical understanding of human expression. Students learn to understand art within the contexts of time, place, religion, politics, philosophy, culture, technology, society, and gender. This minor is designed for completion entirely on-line in web-based education.

Stipulations for the art history minor:

- No more than one independent study course may count toward the minor in Art History.
- No more than two courses may be applied toward both this minor and a major or minor. By petition, two upper division courses with substantial art historical content and methodology applied toward tbe students' majors may also be applied toward this minor. These courses do not have to be in the distance learning (DL) format.
- Courses to be counted in the minor must be taken for a grade (may not be taken pass/fail).

AR 342 Art of tbe Ancient Americas	3 semester hours	___
AR 343 Renaissance Art History	3 semester bours	___
AR 421/RE 421 Sacred Art in History	3 semester bours	___
AR 423 History of Modern Art	3 semester bours	___
AR 424 Late Modern Art History	3 semester hours	___
AR 426 Critical Theories in Art	3 semester hours	___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

BEHAVIORAL SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Choose one from the following group: 3 semester hours ___

PS 352 Abnormal Behavioral
PS 304 Drugs and Behavior
PS 406 Physiological Psychology

Choose one from the following group: 3 semester hours ___

PS 331 Social Psychology
PS 332 Child Psychology
PS 402 Introduction to Clinical Psychology
SO 360 Contemporary American Family
SO 471 Aging in a Mass Society

Required:

PS 334 Adolescent Psychology 3 semester hours ___
PS 335 Adult Psychology 3 semester hours ___
SO 362 Deviant Social Behavior 3 semester hours ___
SO 312 Majority/Minority Relations 3 semester hours ___
TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

BIOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor requires completion of a minimum of 18 semester hours of biology coursework, including a minimum of 6 semester hours of upper division coursework which must be taken at Athens State University.

The minor must include the following courses or their approved equivalents:

Principles of Biology I, II 8 semester hours ___ ___
TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

CHEMISTRY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Chemistry requires 20 semester hours of chemistry coursework including a minimum of 9 semester hours of upper division coursework which must be completed at Athens State University.

College Chemistry I, II **or** CH 303, 304, 305 8-9 semester hours ___ ___
CH 324 /CH 324L Analytical Chemistry 4 semester hours ___
Upper Level 300/400 Chemistry courses to be determined by Chemistry
Faculty Advisor 7-8 semester hours ___ ___
TOTAL HOURS FOR MINOR: 20 SEMESTER HOURS

CHURCH FINANCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Choose one from the following group:

MG 303 Management Decision Support
MG 349 Human Resources Management
MG 353 Project Management
MG 375 Organizational Behavior and Team Building
MK 331 Principles of Marketing 3 semester hours ___

Required:

AC 300 Principles of Accounting 3 semester hours ___
EC 310 Modern Economics 3 semester hours ___
MG 350 Financial Management 3 semester hours ___
GBA311 Legal Environment of Business 3 semester hours ___
MG 346 Principles of Management and Leadership 3 semester hours ___
TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

COMPUTER INFORMATION SYSTEMS MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Computer Information Systems requires 21 semester hours distributed in the following way:

MA308 Discrete Mathematics	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
CS 317 Computer Science 1 (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CIS 325 The Digital Enterprise	3 semester hours	___
CIS 365 Visual Application Development	3 semester hours	___
Computer Science or Computer Information Systems upper level elective	3 semester hours	___
TOTAL HOURS FOR MINOR:	**21 SEMESTER HOURS**	

COMPUTER NETWORKING MINOR

Students majoring in computer science or computer information systems may complete a minor in Computer Networking by completing 16 semester hours of CN courses. Students in other majors must complete the following additional courses:

MA308 Discrete Mathematics	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 309L Introduction to Digital Logic Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 340 introduction to Assembly Language	3 semester hours	___
CS 409 Computer Organization and Architecture	3 semester hours	___
CS 415 Operating Systems	3 semester hours	___
TOTAL ADDITIONAL COURSES	**25 SEMESTER HOURS**	

COMPUTER SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Computer Science requires 22 semester hours distributed in the following way:

MA308 Discrete Mathematics	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 309L Digital Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 472 Algorithm Analysis	3 semester hours	___
TOTAL HOURS FOR MINOR	**22 SEMESTER HOURS**	

DRAMA MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Drama consists of the following 18 semester hours:

EH 310 Film: History, Development, and Evaluation	3 semester hours	___
EH 311 Drama Production	3 semester hours	___
EH 319 Technical Theatre	3 semester hours	___
EH 321 Set Design	3 semester hours	___
EH 323 Dramatic Interpretation	3 semester hours	___
EH 333 Acting	3 semester hours	___
EH 405 Playwriting	3 semester hours	___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

ENGLISH MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in English consists of 21 semester hours of English coursework of which 12 semester hours must be taken at Athens State University including the following courses or their equivalents:

EH 312 Dramatic Literature 3 semester hours ___
EH 425 Shakespeare: Tbe Sonnets and the Plays 3 semester hours ___
EH 431 Poetry and Poetics 3 semester hours ___

Choose four from the following courses 12 semester hours ___ ___ ___ ___
EH 304 Southern Literature
EH 307 Major Authors I
EH 308 Major Authors II
EH 314 Nineteenth Century British Studies
EH 316 American Masterpieces
EH 325 Myth: Ritual and Culture
EH 330 Literary and Critical Theory
EH 413 Composition for Teachers
EH/RE 416 Interpreting the Text
EH 433 Fiction
EH 440 African-American Studies
EH 450 Renaissance Literature 1550-1680
EH 451 Restoration/Eighteenth Century
EH 452 Chaucer and Medieval Literature
EH 454 Young Adult Literature
TOTAL **HOURS FOR MINOR** **21 SEMESTER HOURS**

GENDER AND MULTICULTURAL STUDIES MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

PS/SO 301 Introduction to Gender and Multicultural Studies 3 semester hours ___

Cboose one course from the Humanities section listed below 3 semester hours ___
Cboose one course from the Social & Behavioral Sciences section listed below 3 semester hours ___
Choose one course from the Business section listed below 3 semester hours ___
Choose three additional courses from tbe Humanities; Social & Behavioral Sciences; or Business courses listed below 9 semester hours ___ ___ ___

Humanities

AR 423 History of Modern Art (3 semester hours)
AR 424 Late Modern Art History (3 semester hours)
EH 325 Myth: Ritual and Culture (3 semester hours)
EH 401 Conflict Management (3 semester hours)
EH/RE 416 Interpreting the Text (3 semester hours)
EH 440 African-American Studies (3 semester hours)
EL 320 Children's Literature (3 semester hours)
HU 330 Landmarks of Civilization (3 semester hours)
RE 301 Religions that Shaped the World (3 semester hours)
RE 312 History of Judaism (3 semester hours)
RE 314 History of Islam (3 semester hours)

Social and Behavioral Sciences

ED 312 Educating Teachers for Diversity (3 semester hours)
GO 309 North America and Europe (3 semester hours)
GO 310 South America, Africa and Asia (3 semester hours)
JS/SO 452 Advanced Criminology (3 semester hours)
PH/SO 300 Moral Values in Today's Society (3 semester hours)
PO/SO 351 American Public Policy/Political Sociology (3 semester hours)
PS 331 Social Psychology (3 semester hours)
SE 301 Introduction to Exceptional Learners (3 semester hours)
SO 312 Majority/Minority Group Relations (3 semester hours)
SO 360 Contemporary Amcrican Family (3 semester hours)

Continued on next page

Business

EC/GO 311 Economic Geography (3 semester hours)
EC/PO 320 Introduction to International Commerce (3 semester hours)
EC 348 Labor Economics (3 semester hours)
MG 352 International Business (formerly Global Dimensions of Business) (3 semester hours)
GBA/PS 368 Industrial and Personnel Psychology (3 semester hours)

TOTAL HOURS FOR MINOR 21 SEMESTER HOURS

NOTE: To fulfill the requirements for Gender and Multicultural Studies minor, students must take at least 15 semester hours that do not overlap with their major or another program of study.

GERONTOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

GE 320 Nutrition 3 semester hours ___
GE 320L Nutrition Lab 1 semester hour ___
GE 335 Adult Psychology 3 semester hours ___
GE 410 Physiology of Aging 3 semester hours ___
GE 412 Aging Policy and Programs 3 semester hours ___
GE 471 Aging in a Mass Society 3 semester hours ___
GE 464 Practicum in Psychology/Sociology/Gerontology 3 semester hours ___
TOTAL HOURS FOR MINOR 19 SEMESTER HOURS

HISTORY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

History is an approved area of study for a minor. The student must complete at least 18 semester hours of history distributed as follows:

American History 6 semester hours ___ ___
European History 6 semester hours ___ ___
Non-Western History 3 semester hours ___
History Elective 3 semester hours ___
TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

JUSTICE STUDIES MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Justice Studies requires the completion of eighteen semester hours of coursework to consist of the following:

JS 301 Criminal Justice Process 3 semester hours ___
JS 302 Criminal Law 3 semester hours ___
JS 452 Advanced Criminology 3 semester hours ___
Justice Studies electives 9 semester hours ___ ___ ___
TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

MARINE SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A Marine Science minor requires completion of 18 semester hours of marine science and/or biology coursework, at least 12 semester hours of which must be taken at Dauphin Island Sea Lab.

The minor must include the following courses or their approved equivalents:

Principles of Biology I, II	8 semester hours	___ ___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

MATHEMATICS MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Mathematics requires 24 semester hours of mathematics including 9 semester hours of upper division coursework, at least 9 semester hours of which must be taken at Athens State University. The following courses must be included:

Calculus Sequence	12 semester hours	___ ___ ___
MA 310 Linear Algebra	3 semester hours	___
MA 421 Differential Equations	3 semester hours	___
Upper Division Mathematics Electives (Approved Mathematics courses above the calculus sequence)	6 semester hours	___ ___
TOTAL HOURS FOR MINOR	**24 SEMESTER HOURS**	

PHILOSOPHY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Choose one from the following group:

PH 312 Logic		
PH 401 Skeptical, Critical, and Logical Thinking	3 semester hours	___

Required:

PH 300 Moral Values in Today's Society	3 semester hours	___
PH 321 History of Philosophy I	3 semester hours	___
PH 322 History of Philosophy II	3 semester hours	___
PH 325 Philosophy of Religion	3 semester hours	___
Electives in the Humanities or Sciences	3 semester hours	___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

PHYSICS MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Physics requires 24 semester hours of Physics coursework including 15 semester hours of upper division coursework, at least 9 semester hours of which must be taken at Athens State University. Strict adherence to course prerequisites must be observed.

The minor must include the following courses or their approved equivalents:

General Physics I, II (Calculus-based)	8 semester hours	___ ___
PY 303 Calculus Physics III (Modern Physics)	4 semester hours	___
Upper level Physics courses to be approved by Physics Faculty Advisor	12 semester hours	___ ___ ___
TOTAL HOURS FOR MINOR	**24 SEMESTER HOURS**	

POLITICAL SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

The student seeking a minor in political science should complete eighteen semester hours in political science coursework to include:

American National Government or		
PO 304 Problems of American Government	3 semester hours	___
PO 303 Comparative State and Local Government or		
PO 305 Alabama Government	3 semester hours	___
PO 308 America and the World or		
PO 453 International Relations	3 semester hours	___
Political Science Electives	9 semester hours	___ ___ ___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

PSYCHOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Students who desire a minor in psychology must complete the following courses:

PS 331 Social Psychology	3 semester hours	___
PS 420 Cognitive Psychology or PS 336 Psychology of Learning	3 semester hours	___
PS 332 Child Psychology or PS 334 Adolescent Psychology	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
PS 406 Physiological Psychology	3 semester hours	___
Psychology Elective	3 semester hours	___
TOTAL HOURS FOR MINOR	**18 SEMESTER HOURS**	

RELIGION MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Nine semester hours in Religion and nine semester hours in Philosophy or Religion. .. ___ ___ ___ ___ ___ ___

TOTAL HOURS FOR MINOR **18 SEMESTER HOURS**

Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward humanities or social science elective requirements, and will not apply toward the minor.

RELIGIOUS EDUCATION MINOR

RE 305 Survey of Religious Education	3 semester hours	___
RE 405 Religious Education of Adults*	3 semester hours	___
ER 310 Principles of Early Childhood Education	3 semester hours	___
RE 417 Senior Research Project in Religious Education	4 semester hours	___
**Elective in Education	6 semester hours	___ ___
TOTAL HOURS FOR MINOR	**19 SEMESTER HOURS**	

*Students who plan to work with children may substitute ER 350 Administering and Managing Early Childhood Programs for RE 405 Religious Education of Adults.

**Electives may not be selected from courses that require Teacher Education Program.

SOCIOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Sociology requires the completion of eighteen semester hours of coursework to consist of the following:

SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
SO 460 Sociological Theories	3 semester hours	___
Sociology Electives	9 semester hours	___ ___ ___
TOTAL HOURS FOR MINOR:	**18 SEMESTER HOURS**	

COLLEGE OF BUSINESS

Linda B. Shonesy, Ed.D.

Dean

Sanders Hall

Athens State University, through its College of Business, is nationally accredited by the Association of Collegiate Business Schools and Programs to offer the following business degree:

The Bachelor of Science (B.S.)
with majors in:

- **Accounting**
 Accounting (with Minor)
- **Management**
 Management (with Minor)
- **Human Resource Management**
- **Management of Technology**
 Management of Technology (with minor)
- **Acquisition and Contract Management**
- **Enterprise Systems Management**
- **Logistics and Supply Chain Management**

CIP CODE	MAJOR	DEGREE
52.0301	ACCOUNTING Option 1. Accounting major (for students who plan to seek the C.P.A.) Option 2. Accounting major with minor (for students who do **NOT** plan to seek the C.P.A.) Minors: Aviation Management, Contract Managment, Health Care Management, Human Resource Management, Information Systems Management, International Business Marketing	B.S.
52.0201	MANAGEMENT Option 1. Management major Option 2. Management major with minor Minors: Aviation Management, Contract Managment, Health Care Management, Human Resource Management, Information Systems Management, International Business, Marketing, Small Business/Entrepreneurship	B.S.
52.1001	HUMAN RESOURCE MANAGEMENT	B.S.
52.9999	MANAGEMENT OF TECHNOLOGY Option 1. Management of Technology major Option 2. Management of Technology major with minor Minors: Aviation Management, Contract Managment, Health Care Management, Human Resource Management, Information Systems Management, International Business, Marketing, Small Business/Entrepreneurship	B.S.
52.0202	ACQUISITION AND CONTRACT MANAGEMENT	B.S.
52.0203	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	B.S.
52.1206	ENTERPRISE SYSTEMS MANAGEMENT	B.S.

MINORS:

The following minor is open to **non-business majors only**:
Business Administration

The following minors are open to **all majors:**
Aviation Management, Contract Management, Health Care Management, Human Resource Management, Information Systems Management, International Business, Marketing, Small Business/Entrepreneurship.

CERTIFICATES:

The following certificates are available: Contract Management ~ Marketing

COLLEGE OF BUSINESS

The mission of the College of Business is to offer programs of study to students that will prepare them for positions in business, finance, or government; enhance the professional development of those already employed; and provide an academic framework for graduate study leading to professional positions. The purpose of the College of Business is to provide quality education for all students, teaching them to think critically, to use technology efficiently, to be effective leaders, decision makers, and communicators; to maintain ethical standards, and to understand the global economy. To carry out its mission and support its purpose, the College of Business has established the following goals:

1. Provide for continuous improvement of the programs within the College of Business in keeping with the standards set by Athens State University, the Southern Association of Colleges and Schools (SACs), and the Association of Collegiate Business Schools and Programs (ACBSP).
2. Place excellence in teaching as the number one priority for serving students and for evaluating faculty.
3. Encourage growth and diversity in the faculty and student body.
4. Seek community and business relationships for advice and support of student and curriculum needs.
5. Maintain cooperative relationships with other educational institutions to facilitate student transfer, maximize resource utilization and provide quality programs.
6. Support a quality-based, equivalent learning environment for all students in all settings.
7. Graduate students who will be academically and professionally prepared by the quality teaching programs of the College of Business for work in an increasingly diverse, global environment.

Athens State University, through its College of Business, is nationally accredited by the Association of Collegiate Business Schools and Programs to offer the Bachelor of Science (B.S.) degree with majors in accounting, human resource management, management, and management of technology. Instruction offered by the College of Business is designed to assist in the preparation of competent and effective professionals in the areas of accounting and management. Students completing a degree program offered by the College of Business will possess the following skills and competencies:

1. A knowledge of accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories and concepts.
2. A knowledge of technology, as it relates to business.
3. A knowledge of the global economy including an understanding of diversity.
4. A knowledge of and ability to use effective managerial, leadership, and group interaction techniques.
5. An ability to effectively use critical-thinking and decision-making techniques.
6. An ability to effectively communicate orally and/or in writing, using effective research techniques as rquired..
7. An understanding of ethical issues and the importance of maintaining ethical standards.

INTERNATIONAL PROGRAM

The College of Business offers an International Business minor which is available to students in all majors (see details in program description section). The College sponsors the ASU in London program which is offered at Imperial College in Central London. The program fee includes one course during the Summer Term I, a nearby apartment with kitchen, roundtrip airfare from Chicago, and cultural and sightseeing activities. International Business minors may be eligible for an additional directed study course. Most current financial aid for students will apply to ASU in London. Students will be accompanied for the first week of the term. For more information, please see "Interdisciplinary Programs" under the College of Arts & Sciences section of this Catalog and the ASU website http://www.athens.edu/academics/studies.php or contact the College of Business.

DISTANCE EDUCATION

The College of Business offers online degree programs in the following majors: Accounting, Management, Human Resource Management, and Management of Technology. All coursework for these majors may be completed via distance learning. For further information regarding distance learning, please consult the ASU website http://www.athens.edu/academics/onlinedegree.php. Students planning to enroll in distance learning classes should review the **Helpful Hints** and **Should I Take a Distance Education Course?** Interactive tutorial and instructional guides are available on the ASU web site www.athens.edu/blackboard/basics.php

INFORMATION FOR NEW STUDENTS REGARDING ONLINE TECHNOLOGY: Blackboard® is a course management system used at Athens State University to provide online access to course materials for every course we offer, including traditional, distance, and blended courses. It provides online tools such as class email, chat, discussion boards, quizzes, etc., that instructors can use to facilitate Internet courses or enhance classroom courses. All active students are assigned a Blackboard® account.

If you plan to take a distance learning class, it is imperative that you become familiar with the Blackboard® software and understand procedures, computer requirements, and expectations before the start of your class. Please review and follow the links re Distance Learning Information on the ASU website ("Getting Started," F.A.Q., Computer Preparation, Blackboard Basics, etc.; http://www.athens.edu/college_edu/getting_started.php).

A Blackboard® Basics tutorial is available at http://www.athens.edu/blackboard/basics.php

To access your Blackboard®, click on the Blackboard® icon on the ASU webpage, then click on "Login to Blackboard®. Use your full ASU email address and your 6-digit PIN from your ASU Online account. To determine your **My Athens email** address, log into your **ASU Online** account using your Student ID and your 6-digit PIN. Your email address can be found in the "Personal Information" section.

ASSESSMENT (PRE- AND POST-TESTING)

The College of Business, as a part of its continuous evaluation process, has implemented a program to assess the business knowledge levels of incoming students. This will be accomplished through a pre-test to be administered in a required course, MG 320 Organizational Communication. This course should be taken during a student's first term at Athens State University. New students who have previously completed an equivalent business communication course will take the pre-test in GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills (*this course is required for students who do not complete MG 320 at ASU*). A post-test will be administered in the capstone course, MG 420 Business Policy, which should be taken during a student's last term.

LIVETEXT is an electronic portfolio which is required in all "core" business courses (AC/MG 302, MG 320/GBA 300, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, MK 331). Specified work in these courses will be placed in this portfolio and will be used in assessing student progress. This program will also provide students a digital professional development resource and a workspace for building and maintaining an online personal portfolio reflecting educational achievements, and may be used for developing career credentials. There is a one-time cost for this membership. Membership is available for a 3-year period.

ADVISING AND SCHEDULING INFORMATION

ACADEMIC ADVISING:

An Academic Advisor is assigned to each College of Business major by the Transfer Center Counselor for the College of Business. When a student's transcripts (from all transfer institutions) have been received, the Counselor prepares a plan of study which reflects the transferred credit and the requirements for degree completion. A copy of the plan of study is provided to the student and the advisor. Students are encouraged to read all the information regarding degree requirements on the plan of study. The plan of study should be retained. Updating the plan of study each term will help a student have a clear understanding of requirements for degree completion. Students should contact their advisor for any questions about the degree plan. Office hours are posted on office doors and are also available on the College of Business website, along with telephone numbers and e-mail addresses. Students may also contact the College of Business staff whenever assistance is needed.

SCHEDULING:

Degree programs in the College of Business are developed to ensure that students who complete the programs possess the skills and competencies for successful careers or further academic study. To obtain the maximum benefit from the programs, some sequencing of courses is necessary.

Most business courses are offered each term, particularly the common core courses which are required in all College of Business majors (AC/MG 302, MG 320, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, MK 331). However, some courses, particularly those which are required in only one program or minor, are offered less frequently. Observing the following guidelines will help you in efficient scheduling.

- Those courses in most demand (common core courses) are generally offered each term in multiple formats.
- Courses which are specific to only one program (or minor), may not be offered every term and/or all formats.
- Sequential courses (especially accounting and statistics) must be taken in order, and may be offered on a rotating or alternating basis. *In accounting, the first course in the sequence is AC 321 Intermediate Accounting I (followed in subsequent terms by AC 322, AC 323, and AC 431). Currently, the accounting sequence begins with AC 321 in the Fall term in day, night and online formats. It is also offered online in the spring term.*

Students should plan accordingly and not wait until they are nearing the end of their program to begin scheduling the less frequently offered courses or sequential courses. Refer to the College of Business website (www.athens.edu/college_business/) for additional information regarding "Planning Your Schedule" and for updates that may be posted in "News and Announcements."

SPECIAL SCHEDULING REQUIREMENTS:

First Term: The following courses, which are required for all Business majors, should be taken in the student's first term at ASU. The content in these courses is essential preparation for other courses in the curriculum.

MG 302 Management Information Systems

MG 320 Organizational Communication This course includes an initial assessment as part of our required outcomes assessment plan.

MG 346 Principles of Management and Leadership

Accounting majors should take AC 321 Intermediate Accounting I in the first term it is offered.

Last Term: The following courses (which are required in all Business majors) should be taken during the student's last term at ASU.

MG 420 Business Policy (3 semester hours). This course is the capstone course which integrates content from all other core business courses. The required Assessment Exam is given in this course.

MG 480 Seminar in Business (1 semester hour). The required Assessment Exam is given in this course.

Prerequisites

Observance of prerequisites will ensure that students have the background knowledge to obtain the maximum benefit from the curriculum. Please consult the Catalog course descriptions for prerequisites to courses you plan to take.

ACCOUNTING (AC)

The objective of the major in accounting is to prepare students for a wide variety of careers in professional accounting, including public accounting, industrial accounting, internal auditing, and government service, and to provide an academic framework for future graduate study. With a wide variety of career options available to accounting graduates, the Department of Accounting now offers an additional option for accounting majors, "Accounting with a Minor." Under this option, the student will take the core accounting requirements and pair them with a minor selected from a variety of management fields. Please note that the "Accounting with a Minor" option will not include all of the courses required to sit for the CPA exam. If you intend to sit for the CPA exam, you should complete the "Accounting" major (no minor).

Students who plan to sit for the CPA Exam in Alabama must complete a total of at least 150 semester hours. This may be accomplished by completing additional courses or completing a master's degree that provides the coursework required by the Alabama C.P.A. Board. (See Suggested Courses on the next page.)

Bachelor of Science - Accounting
MAJOR CODE: 52.0301

Program components for the Bachelor of Science degree with a major in Accounting include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GEN. ED. REQUIREMENTS:**

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		
TOTAL GEN. ED. REQUIREMENTS:		**41 SEMESTER HOURS**	

3. **MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):**

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	**21 SEMESTER HOURS**	

TOTAL GEN. ED REQ. & MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

AC 302	Management Information Systems	3 semester hours	___
AC 303	Management Decision Support Systems	3 semester hours	___
AC 312	Law for Accountants	3 semester hours	___
AC 321	Intermediate Accounting I	3 semester hours	___
AC 322	Intermediate Accounting II	3 semester hours	___
AC 323	Intermediate Accounting III	3 semester hours	___
AC 361	Federal Tax Accounting I	3 semester hours	___
AC 362	Federal Tax Accounting II	3 semester hours	___
AC 401	Auditing	3 semester hours	___
AC 431	Advanced Accounting	3 semester hours	___
AC 435	Governmental Accounting	3 semester hours	___
AC 442	Advanced Auditing and Fraud Examination	3 semester hours	___
AC 471	Cost Accounting	3 semester hours	___
*MG 320	Organizational Communication	3 semester hours	___
MG 346	Principles of Management and Leadership	3 semester hours	___
MG 350	Financial Management	3 semester hours	___
MG 352	International Business **OR** EC 320 International Commerce	3 semester hours	___
MG 390	Operations Management	3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved.) (Course should be taken last semester)*	1 semester hour	___
MK 331	Marketing Principles	3 semester hours	___
Elective		1 semester hour	___
TOTAL PROFESSIONAL HOURS:		**62 SEMESTER HOURS**	

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

5. ****Assessment Exam**. Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

Suggested Courses for Students with Non-Accounting Degrees Preparing to Sit for the CPA Exam:

The following courses are recommended:

- AC 321/322/323 Intermediate Accounting I/II/III
- AC 361/362 Federal Tax Accounting I/II
- AC 401 Auditing I
- AC 431 Advanced Accounting
- AC 435 Governmental Accounting
- AC 442 Advanced Auditing and Fraud Examination
- AC 471 Cost Accounting
- GBA 312 Law for Accountant

For students who completed some of the above courses in their degree program, the following substitutions are recommended: AC 303 Management Decision Support Systems, GBA 314 Business Ethics, MG 410 Employment Law, other business courses recommended by accounting faculty advisor.

For additional information see The Alabama State Board of Public Accountancy at http://www.asbpa.alabama.gov/

Bachelor of Science - Accounting with Minor

MAJOR CODE: 52.0301

With a wide variety of career options available to accounting graduates, the Department of Accounting now offers an additional option for accounting majors, "Accounting with a Minor." Under this option, the student will take the core accounting requirements and pair them with a minor selected from a variety of management fields. **Please note that the "Accounting with a Minor" option will not include all of the courses required to sit for the CPA exam. If you intend to sit for the CPA exam, you should complete the "Accounting" major (no minor).**

Program components for the Bachelor of Science degree with a major in **Accounting with a required minor** include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		

TOTAL GEN. ED. REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED REQ. & MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

A. Accounting and Business Core Courses

AC 302	Management Information Systems	3 semester hours	___
AC 303	Management Decision Support Systems	3 semester hours	___
AC 321	Intermediate Accounting I	3 semester hours	___
AC 322	Intermediate Accounting II	3 semester hours	___
AC 323	Intermediate Accounting III	3 semester hours	___
AC 361	Federal Tax Accounting I	3 semester hours	___
AC 401	Auditing **OR** AC 435 Governmental Accounting **OR** AC 471 Cost Accounting	3 semester hours	___
*MG 320	Organizational Communication	3 semester hours	___
MG 346	Principles of Management and Leadership	3 semester hours	___
MG 350	Financial Management	3 semester hours	___
MG 352	International Business **OR** EC 320 Intern'l Commerce	3 semester hours	___
MG 390	Operations Management	3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course to be taken last semester)*	1 semester hour	___
MK 331	Marketing Principles	3 semester hours	___

TOTAL ACCOUNTING AND BUSINESS CORE HOURS: 43 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

B. Minor Requirements

Minor (to be selected from the following options): 18 semester hours

Aviation Management
Contract Management
Health Care Management
Human Resource Management
Information Systems Management
International Business
Marketing

Please see the List of Minors at the end of this section for specific course requirements for each minor.

C. Elective 1 semester hour

TOTAL PROFESSIONAL AND ELECTIVE HOURS: 62 SEMESTER HOURS

5. **Assessment Exam.** Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

MANAGEMENT (MG)

The objective of the major in management is to provide students with a comprehensive business education, which will prepare them to enter managerial employment or to assist in the development of individuals who hold those positions. In addition, this major provides an academic framework for future graduate study. Management encompasses the traditional business curriculum which includes coursework in accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories/concepts. Program components for the Bachelor of Science in Management are listed below.

Management majors who wish to pursue a specialized area of study as a part of a management major may elect to complete the "Managemcnt Major with a Minor" immediately following the general management major requirements. Minors are available in the following areas: Aviation Management, Health Care Management, Human Resource Management, Information Systems Management, International Business, Marketing, and Small Business/Entrepreneurship. NOTE: Please be aware that course work for all of the minors may not be offered at all sites. Please contact the College of Business for more information (256/216-5352).

Bachelor of Science - Management
MAJOR CODE: 52.0201
Management Major (No Minor)

Program components for the Bachelor of Science degree with a major in Management include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours** ___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours** ___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**	
	Finite math or its equivalent required	3 semester hours ___
	Natural Sciences (lab based)	8 semester hours ___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**	
	Micro Economics (ECO 231)	3 semester hours ___
	Macro Economics (ECO 232)	3 semester hours ___
	Other History/Behavioral or Social Science Courses	6 semester hours ___ ___
	Students are encouraged to take at least one history course and one behavioral science course.	
TOTAL GEN. ED. REQUIREMENTS:		**41 SEMESTER HOURS**

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours ___ ___
Business Statistics I (BUS 271)	3 semester hours ___
Business Statistics II (BUS 272)	3 semester hours ___
Legal Environment of Business (BUS 263)	3 semester hours ___
Windows Computer Applications (CIS 146)	3 semester hours ___
Elective	3 semester hours ___
TOTAL MAJOR PREREQUISITE HOURS:	**21 SEMESTER HOURS**

TOTAL GEN. ED. & MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

Management Core Courses:

EC 321	Money and Banking	3 semester hours	___
GBA 314	Business Ethics	3 semester hours	___
MG 302	Management Information Systems	3 semester hours	___
MG 303	Management Decision Suppt. Systems	3 semester hours	___
*MG 320	Organizational Communication	3 semester hours	___
MG 346	Principles of Management and Leadership	3 semester hours	___
MG 349	Human Resource Management	3 semester hours	___
MG 350	Financial Management	3 semester hours	___
MG 351	Labor Management Relations	3 semester hours	___
MG 352	International Business or EC 320 International Commerce	3 semester hours	___
MG 353	Project Management	3 semester hours	___
MG 375	Organizational Behavior and Team Building	3 semester hours	___
MG 390	Operations Management	3 semester hours	___
MG 417	Management of Change	3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester)*	1 semester hour	___
MK 331	Marketing Principles	3 semester hours	___
TOTAL PROFESSIONAL HOURS:		**49 SEMESTER HOURS**	

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

ELECTIVE HOURS: 13 SEMESTER HOURS

TOTAL PROFESSIONAL AND ELECTIVE HOURS: 62 SEMESTER HOURS

5. ****Assessment Exam.** Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and compentency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

Bachelor of Science - Management

MAJOR CODE: 52.0201

Management Major with a Minor

Program components for the Bachelor of Science degree in Management with a Minor include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		

TOTAL GEN. ED. REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. & MAJOR PREREQUISITE HOURS: 62-~~64~~ SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

A. Management Core Courses:

EC 321	Money and Banking	3 semester hours	___
MG 302	Management Information Systems	3 semester hours	___
MG 303	Management Decision Support Systems	3 semester hours	___
*MG 320	Organizational Communication	3 semester hours	___
MG 346	Principles of Management and Leadership	3 semester hours	___
MG 350	Financial Management	3 semester hours	___
MG 352	International Business or EC 320 International Commerce	3 semester hours	___
MG 390	Operations Management	3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester)*	1 semester hour	___
MK 331	Marketing Principles	3 semester hours	___

TOTAL MANAGEMENT CORE: 31 SEMESTER HOURS

B. Minor Requirements:

Minor (to be selected from the following options): 18 semester hours

Aviation Management
Contract Management
Health Care Management
Human Resource Management
Information Systems Management
International Business
Marketing Minor
Small Business/Entrepreneurship Minor

Please see the List of Minors at the end of this section for specific course requirements for each minor.

TOTAL PROFESSIONAL HOURS: 49 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

C. ELECTIVE HOURS 13 SEMESTER HOURS

TOTAL PROFESSIONAL AND ELECTIVE HOURS: 62 SEMESTER HOURS

5. ****Assessment Exam.** Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

HUMAN RESOURCE MANAGEMENT

The objective of the major in Human Resource Management is to provide students with a program of study that will prepare them for a variety of employment opportunities in the area of human resource management and provide an academic framework for future graduate study. The curriculum combines traditional business courses, specialized management courses, and related psychology courses.

Bachelor of Science - Human Resource Management

MAJOR CODE: 52.1001

Program components for the Bachelor of Science degree with a major in Human Resource Management include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GEN. ED. REQUIREMENTS:**

Area I. **Written Composition** **6 semester hours** ___ ___

Area II. **Humanities/Fine Arts** **12 semester hours** ___ ___ ___ ___

Area III. **Mathematics and Natural Sciences (11 semester hours)**

Finite math or its equivalent required 3 semester hours ___

Natural Sciences (lab based) 8 semester hours ___ ___

Area IV. **History/Behavioral and Social Sciences (12 semester hours)**

Micro Economics (ECO 231) 3 semester hours ___

Macro Economics (ECO 232) 3 semester hours ___

Other History/Behavioral or Social Science Courses 6 semester hours ___ ___

Students are encouraged to take at least one history course and one behavioral science course.

TOTAL GEN. ED. REQUIREMENTS: 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):**

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248) 6 semester hours ___ ___

Business Statistics I (BUS 271) 3 semester hours ___

Business Statistics II (BUS 272) 3 semester hours ___

Legal Environment of Business (BUS 263) 3 semester hours ___

Windows Computer Applications (CIS 146) 3 semester hours ___

Elective 3 semester hours ___

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

EC 321	Money and Banking	3 semester hours	___
EC 348	Labor Economics	3 semester hours	___
GBA368	Industrial and Personnel Psychology	3 semester hours	___
MG 302	Management Information Systems	3 semester hours	___
*MG 320	Organizational Communication	3 semester hours	___
MG 346	Principles of Management and Leadership	3 semester hours	___
MG 349	Human Resource Management	3 semester hours	___
MG 350	Financial Management	3 semester hours	___
MG 351	Labor Management Relations	3 semester hours	___
MG 352	International Business **OR** EC 320 International Commerce	3 semester hours	___
MG 375	Organizational Behavior and Team Building	3 semester hours	___
MG 390	Operations Management	3 semester hours	___
MG 410	Employment Law for Business	3 semester hours	___
MG 411	Compensation and Benefits	3 semester hours	___
MG 417	Management of Change	3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course to be taken last semester*	1 semester hour	___
MK 331	Marketing Principles	3 semester hours	___
Select 2 courses from the following:		6 semester hours	___ ___

GBA 314 Business Ethics (3 semester hours)
MG 449 Advanced Human Resource Management (3 semester hours)
PS 304 Drugs and Behavior (3 semester hours)
PS 331 Social Psychology (3 semester hours)
PS 335 Adult Psychology (3 semester hours)

TOTAL PROFESSIONAL HOURS: 58 SEMESTER HOURS

ELECTIVE HOURS 4 semester hours ___ ___

TOTAL PROFESSIONAL AND ELECTIVE HOURS: 62 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

5. ****Assessment Exam.** Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

MANAGEMENT OF TECHNOLOGY

The objective of the major in Management of Technology is to provide students with a comprehensive business education which will prepare them to enter managerial employment or to assist in the development of individuals who hold those positions. In addition, it provides an academic framework for future graduate study. The major encompasses the traditional business curriculum which includes coursework in accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories and concepts. Program components for the Bachelor of Science in Management of Technology are listed below.

Management of Technology majors who wish to pursue specialized study as a part of the MOT major may elect to complete the "Management of Technology Major with a Minor." Minors are available in the following areas: Aviation Management, Contract Management, Health Care Management, Human Resource Management, Information Systems Management, International Business, Marketing, and Small Business/Entrepreneurship. NOTE: Please be aware that course work for all of the minors may not be offered at all sites. Please contact the College of Business for more information (256/216-8352).

Bachelor of Science - Management of Technology
MAJOR CODE: 52.9999

Program components for the Bachelor of Science degree with a major in Management of Technology include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		
TOTAL GEN. ED. REQUIREMENTS:		**41 SEMESTER HOURS**	

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___
TOTAL PRE-PROFESSIONAL HOURS:	**21 SEMESTER HOURS**	

TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

*All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note(**) below and "Assessment" on the first page of this section].*

A. MANAGEMENT OF TECHNOLOGY CORE COURSES 40 SEMESTER HOURS

MG 302 Management Information Systems	3 semester hours	___
MG 303 Management Decision Support Systems	3 semester hours	___
*MG 320 Organizational Communication	3 semester hours	___
MG 346 Principles of Management and Leadership	3 semester hours	___
MG 350 Financial Management	3 semester hours	___
MG 352 International Business **OR** EC 320 International Commerce	3 semester hours	___
MG 353 Project Management	3 semester hours	___
MG 390 Operations Management	3 semester hours	___
MG 415 Technical Risk Management	3 semester hours	___
MG 418 Management of Technology	3 semester hours	___
MG 419 Technology Transfer and Commercialization	3 semester hours	___
MG 420 Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480 Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester.)*	1 semester hour	___
MK 331 Marketing Principles	3 semester hours	___

B. OTHER PROFESSIONAL CREDIT 22 Semester Hours

Student must obtain approval of plan for "Other Professional Credit" from Advisor.

1. Technical Core Credit (BLOCK CREDIT) (*Institutional Credit*) (up to 22 semester hours)

☐ **<<NOTE 1: BLOCK Credit is Lower Level Credit)>> . Application for this credit may be based on:**
Technical Training (4 or more semesters technical school/college), **OR**
Work Experience (6 years documented, successful work experience), **OR**
Professional Program (fine arts or health sciences)

<<NOTE 2: Upper level credit may be awarded ONLY for credit which is transcripted and classified as upper level credit from an accredited institution of higher education or by an accepted guide or accrediting agency (eg. ACE Guide).

☐ **Application for Technical Core Credit MUST be filed during student's first term of enrollment at ASU.**

2. Advisor-approved elective hours as needed to total 60 semester hours of upper level credit and 124 total semester hours.

TOTAL PROFESSIONAL HOURS 62 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

6. ****Assessment Exam.** Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

Bachelor of Science - Management of Technology

MAJOR CODE: 52.9999

Management of Technology with Minor

Program components for the Bachelor of Science degree with a major in Management of Technology with a minor include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		

TOTAL GEN. ED. REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL)

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___

TOTAL PRE-PROFESSIONAL HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. AND PRE-PROFESSIONAL HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

A. Management of Technology Core Courses:

MG 302	Management Information Systems	3 semester hours	___
*MG 320	Organizational Communication	3 semester hours	___
MG 346	Principles of Management and Leadership	3 semester hours	___
MG 350	Financial Management .	3 semester hours	___
MG 352	International Business **OR** EC 320 International Commerce	3 semester hours	___
MG 390	Operations Management (Aviation Management minors May substitute MG 474)	3 semester hours	___
MG 415	Technical Risk Management	3 semester hours	___
MG 418	Management of Technology	3 semester hours	___
MG 419	Technology Transfer and Commercialization	3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester)*	1 semester hour	___
MK 331	Marketing Principles	3 semester hours	___

TOTAL MOT CORE HOURS: 34 SEMESTER HOURS

B. Minor Requirements

Minor (to be selected from the following options): 18 semester hours

Aviation Management
Contract Management
Health Care Management
Human Resource Management
Information Systems Management
International Business
Marketing
Small Business/Entrepreneurship

Please see the List of Minors at the end of this section for specific course requirements for each minor.

C. OTHER PROFESSIONAL CREDIT 22 Semester Hours

Student must obtain approval of plan for "Other Professional Credit" from Advisor.

☐ **1. Technical Core Credit (BLOCK CREDIT) (*Institutional Credit*) (up to 22 semester hours)**

<<NOTE 1: BLOCK Credit is Lower Level Credit)>> . Application for this credit may be based on:

Technical Training (4 or more semesters technical school/college), **OR**
Work Experience (6 years documented, successful work experience), **OR**
Professional Program (fine arts or health sciences)

<<NOTE 2: Upper level credit may be awarded ONLY for credit which is transcripted and classified as upper level credit from an accredited institution of higher education or by an accepted guide or accrediting agency (eg. ACE Guide).

Application for Technical Core Credit MUST be filed during student's first term of enrollment at ASU.

☐ **2. Advisor-approved elective hours as needed to total 60 semester hours of upper level credit and 124 total semester hours.**

TOTAL PROFESSIONAL HOURS: 62 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

6. ****Assessment Exam**. Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION 124 SEMESTER HOURS

ACQUISITION AND CONTRACT MANAGEMENT (ACM)

Students will gain knowledge of the acquisition and contracting processes to include the purchasing of goods and services, pricing, negotiating of contracts, administration of contracts, contract law, and responsibilities from contract award to termination of the contract. An emphasis will be placed upon federal contracting; however, commercial contracting will also be included. This program will include a study of the Federal Acquisition Regulations.

Bachelor of Science - Acquisition and Contract Management
MAJOR CODE: 52.0202

Program components for the Bachelor of Science degree with a major in Acquisition and Contract Management include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		

TOTAL GEN. ED. REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. PROFESSIONAL COURSES:

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

A.	**Acquisition & Contract Management**		**28 semster hours**	
	ACM 353	Project Management	3 semester hours	___
	ACM 394	Introduction to Acquisition and Contract Management	3 semester hours	___
	ACM 395	Acquisition and Contract Management Pricing	3 semester hours	___
	ACM 396	Acquisition and Contract Management Administration	3 semester hours	___
	ACM 397	Acquisition and Contract Management Negotiations	3 semester hours	___
	ACM 398	Government Contract Law	3 semester hours	___
	ACM 400	Advanced ACM Research/Project	3 semester hours	___
		Electives (Selected from ESM, ISM, LSM courses)	7 semester hours	___
B.	**Business/Management:**		**34 semester hours**	
	MG 302	Management Information Systems	3 semester hours	___
	MG 303	Management Decision Support Systems	3 semester hours	___
*	MG 320	Organizational Communication	3 semester hours	___
	MG 346	Principles of Management and Leadership	3 semester hours	___
	MG 350	Financial Management.	3 semester hours	___
	MG 352	International Business **OR** EC320 International Commerce	3 semester hours	___
	MG 390	Operations Management	3 semester hours	___
	MG 415	Technical Risk Management	3 semester hours	___
	MG 417	Management of Change	3 semester hours	___
	MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
**	MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester)*	1 semester hour	___
	MK 331	Marketing Principles	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 62 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

5.Assessment Exam.** Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

ENTERPRISE SYSTEMS MANAGEMENT (ESM)

Enterprise Systems Management (ESM) is a degree program where students study enterprise-wide computer software systems used to manage and coordinate all resources, information, and functions of an organization. Students who enroll in this degree program will expand their understanding of enterprise resource planning systems (ERP) and how they are used to integrate departments and functions across government agencies and corporations. They will also gain the knowledge and skills necessary to select, implement, administer, and operate ERP systems. A focus of the degree program is to use ERP systems to integrate the acquisition process (purchasing and contracting) with the logistics process (supplying). In addition, the student will understand how ERP systems are used to manage activities related to accounting, human resources, production, purchasing, billing, customer accounts, inventory control, and all others required to manage an entire organization through hands-on lab exercises based upon an ERP system that is used extensively across the globe.

Bachelor of Science - Enterprise Systems Management (ESM)
MAJOR CODE: 52.1206

Program components for the Bachelor of Science degree with a major in Enterprise Systems Management include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours**	___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours**	___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**		
	Finite math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based)	8 semester hours	___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**		
	Micro Economics (ECO 231)	3 semester hours	___
	Macro Economics (ECO 232)	3 semester hours	___
	Other History/Behavioral or Social Science Courses	6 semester hours	___ ___
	Students are encouraged to take at least one history course and one behavioral science course.		

TOTAL GEN. ED. REQUIREMENTS: 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours	___ ___
Business Statistics I (BUS 271)	3 semester hours	___
Business Statistics II (BUS 272)	3 semester hours	___
Legal Environment of Business (BUS 263)	3 semester hours	___
Windows Computer Applications (CIS 146)	3 semester hours	___
Elective	3 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. PROFESSIONAL COURSES:

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

A. Enterprise Systems Management Courses: 22 semester hours

ESM 300	Enterprise Systems & Business Processes 3 semester hours	___
ESM 320	Human Capital Management Systems. 3 semester hours	___
ESM 330	Financial Management Systems 3 semester hours	___
ESM 340	Customer Relationship Mgt Systems 3 semester hours	___
ESM 400	Logistics & Supply Chain Mgt Systems 3 semester hours	___
ESM 410	Business Intelligence Systems 3 semester hours	___
ESM 450	Enterprise Systems Internship 2 semester hours	___
ESM 455	Enterprise Systems Practicum 2 semester hours	___

B. Business/Management Courses: 40 semester hours

MG 302	Management Information Systems 3 semester hours	___
* MG 320	Organizational Communication 3 semester hours	___
MG 346	Principles of Management & Leadership 3 semester hours	___
MG 349	Human Resource Management 3 semester hours	___
MG 350	Financial Management 3 semester hours	___
MG 352	International Business OR EC 320 Intern'l Commerce 3 semester hours	___
MG 390	Production & Operations Management 3 semester hours	___
ISM 400	Information Systems Management 3 semester hours	___
ISM 401	System Design Management 3 semester hours	___
ISM 404	Managing Information Resources 3 semester hours	___
ISM 408	E-Commerce Management Systems 3 semester hours	___
MG 420	Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.] 3 semester hours	___
**MG 480	Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester.)* 1 semester hour	___
MK 331	Marketing Principles 3 semester hours	___

TOTAL PROFESSIONAL HOURS 62 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

5. **Assessment Exam. Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

LOGISTICS AND SUPPLY CHAIN MANAGEMENT (LSM)

Students will learn how to plan and forecast demand for product and services, to gain an understanding of operations involving the movement of materials from raw materials for production to providing the finished product to the end consumer. After gaining an understanding of the supply chain function, students will learn how to manage the logistical movement of goods and products to include the transportation and services involved. An emphasis will be placed on understanding these functions within the government setting.

Bachelor of Science - Logistics and Supply Chain Management
MAJOR CODE: 52.0203

Program components for the Bachelor of Science degree with a major in Logistics and Supply Chain Management include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete a minimum of 60 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general studies curriculum core for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GEN. ED. REQUIREMENTS:

Area I.	**Written Composition**	**6 semester hours** ___ ___
Area II.	**Humanities/Fine Arts**	**12 semester hours** ___ ___ ___ ___
Area III.	**Mathematics and Natural Sciences (11 semester hours)**	
	Finite math or its equivalent required	3 semester hours ___
	Natural Sciences (lab based)	8 semester hours ___ ___
Area IV.	**History/Behavioral and Social Sciences (12 semester hours)**	
	Micro Economics (ECO 231)	3 semester hours ___
	Macro Economics (ECO 232)	3 semester hours ___
	Other History/Behavioral or Social Science Courses	6 semester hours ___ ___
	Students are encouraged to take at least one history course and one behavioral science course.	
	TOTAL GEN. ED. REQUIREMENTS:	**41 SEMESTER HOURS**

3. MAJOR PREREQUISITE COURSES (Area V. PRE-PROFESSIONAL):

Principles of Accounting (BUS 241 and BUS 242 or BUS 210 and BUS 248)	6 semester hours ___ ___
Business Statistics I (BUS 271)	3 semester hours ___
Business Statistics II (BUS 272)	3 semester hours ___
Legal Environment of Business (BUS 263)	3 semester hours ___
Windows Computer Applications (CIS 146)	3 semester hours ___
Elective	3 semester hours ___
TOTAL MAJOR PREREQUISITE HOURS:	**21 SEMESTER HOURS**
TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	**62 SEMESTER HOURS**

4. PROFESSIONAL COURSES:

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see note() below and "Assessment" on the first page of this section].*

A.	**Logistics & Supply Chain Managment courses**	**28 semester hours**	
	LSM 301 Introduction to Logistics and Supply Chain Management	3 semester hours	___
	LSM 320 Logistics and Transportation	3 semester hours	___
	LSM 330 Logistics & Supply Chain Mmgmt. in the Global Environment	3 semester hours	___
	LSM 353 Project Management	3 semester hours	___
	LSM 400 Logistics and Supply Chain Management Systems	3 semester hours	___
	LSM 401 Logistics and Supply Chain Models	3 semester hours	___
	LSM 410 Logistics and Supply Chain Strategy	3 semester hours	___
	Elective Hours (may be selected from ACM, ERM, ISM or MK courses)	7 semester hours	___
B.	**Business/Management courses**	**34 semester hours**	
	MG 302 Management Information Systems	3 semester hours	___
	MG 303 Management Decision Support Systems	3 semester hours	___
	*MG 320 Organizational Communication	3 semester hours	___
	MG 346 Principles of Management and Leadership	3 semester hours	___
	MG 350 Financial Management	3 semester hours	___
	MG 352 International Business **OR** EC320 International Commerce	3 semester hours	___
	MG 390 Operations Management	3 semester hours	___
	MG 415 Technical Risk Management	3 semester hours	___
	MG 417 Management of Change	3 semester hours	___
	MG 420 Business Policy [Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.]	3 semester hours	___
	**MG 480 Seminar in Business *(Senior seminar: A final average of at least 70% must be achieved; course should be taken last semester)*	1 semester hour	___
	MK 331 Marketing Principles	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 62 SEMESTER HOURS

**Students who do not complete MG 320 Organizational Communication at ASU are required to take GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills.*

5. **Assessment Exam. Student must earn an acceptable score on an assessment exam containing questions dealing with the skill and competency areas around which the curriculum is based.

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS

COLLEGE OF BUSINESS MINORS

Business Administration

(This minor is open to non-business majors only.)

AC	300	Fundamentals of Accounting	3 semester hours	___
EC	310	Modern Economics or Principles of Economics I	3 semester hours	___
GBA	305	Statistical Methods of Business I	3 semester hours	___
GBA	311	The Legal Environment of Business	3 semester hours	___
*MG	320	Organizational Communication	3 semester hours	___
*MG	346	Principles of Management and Leadership	3 semester hours	___
*MG	350	Financial Management	3 semester hours	___
*MK	331	Marketing Principles	3 semester hours	___
TOTAL HOURS REQUIRED			**24 SEMESTER HOURS**	

**LiveText is required in thse courses.* *See page 129.*

The following minors are open to students in all majors.
Please consult course descriptions for prerequisites.

Aviation Management

MG 471 Aviation Law	3 semester hours	___
MG 472 Aviation Safety and Security Mgt.	3 semester hours	___
MG 473 Mgt. of Air Traffic Control Fund.	3 semester hours	___
MG 474 General Aviation Mgmt. **OR** MG 390 Operations. Mgmt.	3 semester hours	___
MG 475 Aviation Weather Management	3 semester hours	___
MG 47x Aviation Management Elective	3 semester hours	___
TOTAL HOURS REQUIRED	**18 SEMESTER HOURS**	

Contract Management Minor

CM 394 Introduction to Contract Management	3 semester hours	___
CM 395 Contract Pricing	3 semester hours	___
CM 396 Contract Administration	3 semester hours	___
CM 397 Contract Negotiations	3 semester hours	___
CM 398 Contract Law	3 semester hours	___
CM 399 Advanced Contract Research/Project	3 semester hours	___
TOTAL HOURS REQUIRED	**18 SEMESTER HOURS**	

Health Care Management Minor

HCM 340 Intro. to Health Care Systems	3 semester hours	___
HCM 345 Management of Health Care Org.	3 semester hours	___
HCM 355 Survey of Issues in HCM	3 semester hours	___
HCM 356 Legal & Ethical Issues in Health Care Management	3 semester hours	___
HCM 450 Managed Care	3 semester hours	___
HCM 455 Health Care Management Internship OR		
HCM 460 Health Care Management Senior Seminar	3 semester hours	___
TOTAL HOURS REQUIRED	**18 SEMESTER HOUR**	

Human Resource Management

MG	349	Human Resource Management	3 semester hours	___
MG	351	Labor-Management Relations	3 semester hours	___
MG	410	Employment Law	3 semester hours	___
MG	449	Advanced Human Resource Management	3 semester hours	___
EC	348	Labor Economics	3 semester hours	___
GBA	368	Industrial and Personnel Psychology	3 semester hours	___
TOTAL HOURS REQUIRED			**18 SEMESTER HOURS**	

Information Systems Management

ISM 400 Information Systems Management	3 semester hours	___
ISM 401 Systems Design Management	3 semester hours	___
MG 303 Decision Support Systems	3 semester hours	___
ISM 403 Data Communications Management	3 semester hours	___
ISM 404 Managing Information Resources	3 semester hours	___
ISM 408 E-Commerce Systems Management	3 semester hours	___
TOTAL HOURS REQUIRED	**18 SEMESTER HOURS**	

International Business

EC 410 Intern'l Fin. & Monetary Econ **OR** EC 320 Intern'l Commerce.	3 semester hours	___
GBA 350 International Business Law	3 semester hours	___
MG 352 International Business	3 semester hours	___
MG 412 Cultural Diversity & Comm. Iss.	3 semester hours	___
Select 2 courses from the following:	6 semester hours	___ ___
PO 453 International Relations		
GBA 314 Business Ethics		
AR/RE 421 Sacred Art in History		
MK 431 Marketing Research		
TOTAL HOURS REQUIRED	**18 SEMESTER HOURS**	

Marketing

MK 331 Marketing Principles	3 semester hours	___
MK 333 Advertising	3 semester hours	___
MK 336 Consumer Behavior	3 semester hours	___
MK 431 Marketing Research	3 semester hours	___
MK 432 Retailing	3 semester hours	___
MK 433 Marketing Strategies and Policies	3 semester hours	___
TOTAL HOURS REQUIRED	**18 SEMESTER HOUR**	

Small Business/Entrepreneurship

AC 361 Federal Tax Accounting I	3 semester hours	___
AC 371 Managerial Accounting	3 semester hours	___
MG 346 Principles of Management & Leadership	3 semester hours	___
MG 349 Human Resource Management	3 semester hours	___
MG 416 Entrepreneurship	3 semester hours	___
MK 432 Retailing	3 semester hours	___
TOTAL HOURS REQUIRED	**18 SEMESTER HOURS**	

CERTIFICATES

Athens State University offers specialized certificates in marketing and contract management. Students who seek these certificates should complete the requirements described below:

Certificate in Contract Management

CM 394 Introduction to Contract Management	3 semester hours	___
CM 395 Contract Pricing	3 semester hours	___
CM 396 Contract Administration	3 semester hours	___
CM 397 Contract Negotiations	3 semester hours	___
CM 398 Contract Law	3 semester hours	___
TOTAL HOURS REQUIRED	**15 SEMESTER HOURS**	

Certificate in Marketing

MK 331 Marketing Principles	3 semester hours	___
MK 336 Consumer Behavior	3 semester hours	___
MK 431 Marketing Research	3 semester hours	___
MK 432 Retailing	3 semester hours	___
MK 433 Marketing Strategies and Policies	3 semester hours	___
TOTAL HOURS REQUIRED	**15 SEMESTER HOURS**	

LOGISTICS UNIVERSITY

The College of Business participates in consortium agreements with Alabama A&M University and the University of Alabama in Huntsville to offer coursework to employees of the Missile Logistics Center at Redstone Arsenal.

COLLEGE OF EDUCATION

Debra Baird, Ph.D.
Dean

The College of Education at Athens State University is accredited by the National Council for Accreditation of Teacher Education (NCATE)
2010 Massachusetts Avenue, N.W.
Suite 500
Washington, D.C. 20036

ACADEMIC UNIT	MAJOR	BS.Ed.	B.S.	B.A.
TECHNICAL	Technical Education (Class B Certification)	*		
	Post-Secondary Education (Non-Certification)	*		
	Military Instructor/Staff Development (Non-Certification)	*		
EARLY CHILDHOOD	Early Childhood Education P-3	*		
ELEMENTARY EDUCATION	Elementary K-6	*		
PHYSICAL EDUCATION	Physical Education P-12	*		
LICENSURE/CERTIFICATION				
TRACK FOR HIGH SCHOOL	Biology		*	
	Chemistry		*	
	English/Language Arts			*
	General Science		*	
	Health and Wellness 6-12		*	
	History			*
	Mathematics		*	
	Social Science		*	
SPECIAL EDUCATION	Collaborative Teacher K-6 (Special Education)	*		
	Collaborative Teacher 6-12 (Special Education)	*		

COLLEGE OF EDUCATION

MISSION STATEMENT

The College of Education (COE) has established a conceptual framework for the preparation of teachers based upon a shared view of the role of education in preparing for the future. Our mission is to prepare educators who will continue to learn to be more effective teachers in an ever-changing world. With the understanding that rethinking the education of students is a major untertaking, requiring development of a common vision, and recognizing that programs with a unified mission are more able to transmit that shared vision, especially to pre-service teachers, the faculty has selected the theme *Educators for a Global Future.* This theme represents viewpoints which are more fully articulated in a shared philosophy, outcomes, and professional dispositions.

The purpose of the program is to prepare teachers who will make thoughtful and effective choices when confronted with instructional decisions in today's and tomorrow's classrooms. To support the general purpose, four specific emphases/goals and nine outcomes of the Teacher Education Program (TEP) have been determined. They are as follows:

EMPHASES/GOALS

Performance-based for ability
Modeling for understanding
Reflective thinking for improvement
Problem-solving for progress

OUTCOMES

Effective communicators
Knowledgeable scholars
Positive supportive professionals
Resourceful curriculum planners
Skilled facilitators of developmental growth
Student-centered reflective instructors
Capable classroom managers
Competent evaluators
Life long learners

TEACHER EDUCATION PROGRAM

The Teacher Education Program at Athens State University promotes professional development of students who seek teaching as a career, students who will become Educators for a Global Future. The program is approved by the Alabama State Department of Education and accredited by the National Council for Accreditation of Teacher Education. Students are advised and assisted in each phase of their preparation program. The College of Education offers an undergraduate degree leading to Class B Certification in Early Childhood Education, Elementary Education, Physical Education, Special Education, Secondary Education, and Technical Education. The College of Education also offers high school certification in the following College of Arts and Sciences degrees: Biology, Chemistry, English/Language Arts, General Science, Health and Wellness 6-12, History, Mathematics and Social Science.

The preparation of teachers is built on a liberal arts foundation. Those students preparing for teaching positions in the secondary schools pursue a major through the College of Arts and Sciences. Teaching certification requirements are completed through the College of Education. Students preparing to teach special education/collaborative, early childhood, and elementary education concentrate on subject matter relevant to the major. Those who are preparing to teach physical education pursue a broad program appropriate to both elementary and secondary schools. Students in the technical education program are preparing to teach their specialized skill areas in post secondary or secondary settings. All groups complete their programs with specific and appropriate professional courses.

All programs are designed to assist students in acquiring knowledge and abilities to become teachers who are effective communicators; knowledgeable scholars; positive and supportive professionals, resourceful curriculum planners, skilled facilitators of developmental growth, student-centered, reflective instructors; capable classroom managers; competent evaluators; advocates of technology; stewards of diversity; and lifelong learners. Faculty model varied methods, strategies and techniques. Students demonstrate attainment of knowledge and skills in campus-based classes and field-based settings. Candidates will develop an electronic professional portfolio that reflects evolving professional growth and the ability to integrate general learning, subject matter, professional and pedagogical studies. The College of Education conducts follow-up studies of graduates in an effort to assess teaching effectiveness and to secure data vital to future planning and development and offers special assistance to beginning teachers.

The College of Education will deny credit for Professional Education courses and Teaching Field courses that were completed five or more years ago. **Students transferring from state institutions must meet the general education requirements established for their program of study as listed in the Athens State University catalog. Courses that require admission to the Teacher Education Program (TEP) are not accepted as transfer credit (no exceptions). Our articulation agreement requires us to**

accept courses taken at the community colleges if they satisfy requirements we specify as necessary to complete a given degree program. Changes to the requirements of the Teacher Education Program may occur at any time due to certification changes made by the State Department of Education. Students are advised to check updated program of study forms for these changes. Due to policies in public schools, every student registered for any course in any Professional Plan of Study that requires a field experience or clinical experience must undergo fingerprint clearance through ABI/FBI for the Department of Education during his or her first semester. This applies to non-degree seeking students, degree-seeking students, and persons seeking classroom recertification or alternative certification.

Background Check through Fingerprinting

Alabama requires all applicants to obtain a state and federal background clearance through a fingerprint review conducted by the Alabama Bureau of Investigation (ABI) and The Federal Bureau of Investigation (FBI) unless they have been cleared previously through an Alabama school system for employment (sub, aide, etc.). The fingerprints will remain on file with the ABI and FBI as long as the certificate or license is valid. If the certificate or license is allowed to lapse, the fingerprints will remain on file with the ABI and FBI no longer than 90 days from the date of its expiration. **All Athens State University education majors must be fingerprinted and cleared by ABI/FBI for the Department of Education during their first semester. It is a requirement for completion of ED 301 courses.**

Step 1: Online Registration

Alabama applicants **MUST** be registered online prior to arriving at a fingerprint location. Currently only Alabama State Department of Education (ALSDE) applicants may use AAPS.

Option 1 Online Registration – www.cogentid.com/AL or www.cogentid.com/alabama

- **DO NOT USE** www.cogentid.com/al.
 Applicants are responsible for their own registration. Information incorrectly entered during registration and submitted during fingerprinting **CANNOT** be corrected and is the responsibility of the applicants. Changes to incorrect registration data MAY be corrected online or by telephone prior to fingerprint submission.

Option 2 Telephone Registration – 866-989-9316

- Cogent encourages **ALL** applicants to register online.
- Applicants are responsible for their own registration. Information incorrectly entered during registration and submitted during fingerprinting **CANNOT** be corrected and is the responsibility of the applicants. Changes to incorrect registration data **MAY** be corrected online or by telephone prior to fingerprint submission.

Option 3 Out-of-State Applicants/Paper Fingerprint Cards

- Out-of-State applicants may submit a completed fingerprint card **AND** a money order or cashier check in the amount of $62.15 made out to Cogent Systems. Applicants **MUST** register **ONLINE** prior to mailing in fingerprint cards **AND** must include their **REGISTRATION ID**. Submit fingerprint cards to:
 Cogent Systems,ALSDE Cards Scan,5450 Frantz Rd, Suite 250,Dublin, OH 43016

Step 2: Fingerprint Payment

- The fingerprint fee is $54.15 payable to Cogent Systems. Applicants may pay online during registration using a debit or credit card. Only money orders or cashier checks are accepted at the fingerprint locations (no cash, credit cards or busines checks are accepted at the fingerprint locations).

Step 3: Fingerprinting

- Visit any Cogent Systems fingerprint location in Alabama. See Print Locations & Hours at www.cogentid.com/AL
- Bring valid identification. See "What to Bring" at www.cogentid.com/AL

Field Experience

The majority of the College of Education courses require a field experience placement in a K-12 school setting. Students must apply online for the field experience placement at the beginning of each semester.

Admission into the Teacher Education Program

No more than five courses in the professional education requirements of the program of study may be completed before admittance to the Teacher Education Program (TEP). Check Program of Study for approved courses. **Courses that require admission to the Teacher Education Program (TEP) are not accepted as transfer credit (no exceptions).** All students wishing to enter the Teacher Education Program must meet the Teacher Education Program (TEP) requirements.

Teacher Education Program (TEP) Requirements:

1. GPA Requirements: Overall Cumulative GPA 2.5, Professional Studies GPA 2.75, Teaching Field 2.75 (secondary majors 2.5)
2. General Education Courses Completed *and all transcripts must be on file with the records office and must appear on the ASU transcript in Banner*
3. Course Requirements: Completion of ED 301 with a grade of "C" or higher
4. College of Education Pre test in the course ED 301: completed
5. Alabama Prospective Teacher Testing Program (APTTP): completed and received a passing score in all three areas
6. Fingerprinting: completed and cleared
7. TB Test: negative TB test results must on file in the Certification Office
8. Plan of Study: An updated plan of study, electronically signed by student's advisor, is required at TEP panel interview
9. TEP panel interview: Students must complete an interview.
10. LiveText portfolio review: Student's LiveText portfolio will be evaluated by TEP interview panel.
11. Completion of 2 professional education and 2 teaching field courses
12. Receive the approval of the faculty of the College of Education

Retention for the Teacher Education Program

1. A student may be dropped from the Teacher Education Program for failure to maintain the standards of performance required for admission to the program. The student will be supervised and evaluated in an effort to eliminate his or her deficiencies.
2. Elementary, Early Childhood, Collaborative Teacher (K-6 & 6-12), and Physical Education must maintain a grade point average of at least 2.75 on a 4.0 scale in Professional Education and Teaching Field blocks. Secondary majors, excluding Technical Education, must maintain 2.75 in Professional Education classes and 2.5 in Teaching Field (major). Technical Education must maintain 2.5 in all areas of program. All students must maintain a 2.5 **cumulative** GPA.
3. Courses in which D's and F's are made must be repeated.
4. A Professional Review Board composed of education faculty members meets periodically to review unsatisfactory performance and progress of students referred by faculty members. This review board also hears formal complaints from students. Recommendations are determined by consensus.
5. A student must maintain validation of a negative chest x-ray or tuberculosis skin test. This is to be updated every three years and kept on file in the Certification Office.

Completion for the Teacher Education Program

In addition to the specified courses in each approved program, the student must meet the following requirements:

1. Elementary, Early Childhood, Collaborative Teacher (K-6 & 6-12), and Physical Education must maintain a grade point average of at least 2.75 on a 4.0 scale in Professional Education and Teaching Field blocks. Secondary majors, excluding Technical Education, must maintain 2.75 in Professional Education classes and 2.5 in Teaching Field (major). Technical Education must maintain 2.5 in all areas of program. All students must maintain a 2.5 **cumulative** GPA.
2. Courses in which D's and F's are made must be repeated.
3. Complete the Teacher Education Program within five years from the date of admission to the university.
4. As of January 1, 2009, students who seek certification to teach must take and pass the Praxis II Content Examination in his/her area, and the College of Education Post test, as well as any future examinations mandated by the State Department of Education, before the student teaching/internship semester.
5. Receive an acceptable rating on the required electronic LiveText portfolio for each assessment checkpoint. The portfolio will reflect evolving professional growth from the start to the completion of the program.

IMPORTANT NOTICE!!!

The State Department of Education retains the right to deny credit for a course with a prerequisite of admission to teacher education if that course was taken prior to admission to teacher education. Students not admitted to the Teacher Education Program who register for courses that require admission will be withdrawn from the course by the College of Education.

Courses Listed by Major That Require Admission to the Teacher Education Program

Technical Education

CE 440 Testing and Evaluation in Career Technical Education
SC 333 Teaching Reading/Writing in the Content Areas
CE 436 Career Technical Information and Guidance
CE 487 Internship in Technical Education

Collaborative Teacher

EL 413 Teaching Reading in the Intermediate Grades
SE 425 Conferencing and Collaborative Techniques
SE 465 IEPs and Other Legal Issues
SE 476 Internship in Collaborative Teacher K-6
SE 478 Internship in Collaborative Teacher 6-12

Early Childhood Education

ER 319 Literacy & Literature for the Young Child
ER 430 Investigations, Experimentation & Inquiry
ER 460 Practicum in Early Childhood Education
ER 470 Early Childhood Curriculum
ER 480 Internship in Early Childhood Education

Elementary Education

EL 413 Teaching Reading in the Intermediate Grades
EL 423 Teaching Social Studies
EL 424 Teaching Math in the Intermediate Grades
EL 482 Internship in Elementary Education
EL 484 Curriculum Seminar in Elementary Education

Physical Education

HPE401 Measurement and Evaluation of Physical Education
HPE430 Teaching Physical Education in the Elementary School
HPE440 Teaching Physical Education in the High School
HPE488 Internship in P-12

Secondary Education

BI 456 Materials & Methods of Teaching Biology in MS/HS
CH 456 Materials & Methods of Teaching Chemistry in MS/HS
EC 450 Materials & Methods of Teaching Economics in MS/HS
EH 457 Materials & Methods of Teaching English/Language Arts in MS/HS
GS 456 Materials & Methods of Teaching General Science in MS/HS
HPE401 Measurement and Evaluation of Physical Education
HPE420 Teaching Health in the High School
HPE490 Internship in 6-12 Health Education
HY 450 Materials & Methods of Teaching History in MS/HS
MA 454 Materials & Methods of Teaching Math in MS/HS
SC 331 Classroom Management in Secondary Education
SC 333 Teaching Reading/Writing in the Content Areas
SC 362 Assessment & Evaluation in Secondary Education
SC 486 Internship in High School Education
SS 450 Materials & Methods of Teaching Social Science in MS/HS

Internship

1. Students **must** apply online for internship placement one semester prior to registering for Internship course.

Requirements to APPLY for Intership:

- **Admitted into the Teacher Education Program (TEP) program**
- **GPA Requirements: Overall GPA 2.5, Professional Studies GPA 2.75, Teaching Field 2.75 (secondary majors 2.5)**
- **General Education Courses: completion of all general education courses and Highly Qualified 4 by 12 course requirements in respective majors**
- **Praxis II Content Knowledge Test – respective to major, completed and received a passing score**
- **Updated plan of study signed by advisor**
- **COE Post Test completed at time of registration for internship**
- **Field Experience: completed 22 days of field experience**

2. Students must still register for internship course specific to plan of study. The internship should be completed the last semester in attendance.
3. The only courses that may be taken during internship are those specified in the respective programs.

The State Board of Education periodically revises the requirements governing certification in the State of Alabama. Therefore, requirements for degrees leading to certification are subject to change from those published in this Catalog. Students are advised to secure a current plan of study from their advisor(s) to ensure that both degree requirements and certification requirements are met.

Certification

Upon graduating, students who seek certification to teach in the state of Alabama must complete a certification application.

Issuance of Alabama teaching certificates is the legal responsibility of the Alabama State Department of Education. Universities and colleges cannot issue a professional certificate. However, in order to be certified at the professional "B" level, a student must complete an appropriate course of study at a college or university which has been approved by the State Department of Education. When a student completes the course of study, the institution recommends to the State Department of Education that the appropriate certificate be awarded. It is the responsibility of the student to complete the steps for certification recommendation from Athens State University which are as follows:

1. Obtain application for certification from the Certification Officer.
2. Provide a $30.00 postal money order or proof of online payment for each level of certification. Amount subject to state modification; make postal money order payable to the Alabama State Department of Education in Montgomery.
 Fees may be paid online for licensure and certification. The website is https://www.alabamainteractive.org/education/.
 If you are seeking more than one certification, then you will need to provide additional receipts for each additional certification.
3. Satisfy the requirements of the Teacher Education Program including proof of passing score on PRAXIS II content knowledge test and the APTTP test, and proof of ABI/FBI background clearance.
4. Provide the Certification Officer with a request for one copy of an official Athens State University transcript.
5. Students seeking certification in another state should check with that state for requirements and certification areas available.

NOTE: Certificates for students who complete certification requirements after September 1 will be dated effective July 1 of the following year.

Degreed Students Seeking Certification

A student who holds a baccalaureate degree from an accredited institution may complete certification requirements at Athens State University. Degreed students must meet the same requirements for admission to and exit from the program as a regular undergraduate student. There are several classifications which may be appropriate for this student; consequently, the student must consult the Certification Officer to have a program plan approved before enrolling for a course. Those who plan to apply for a second degree must complete a minimum of 33 semester hours with 15 semester hours being in the major area(s)/teaching field(s) at Athens State University.

A student who holds an Alabama teacher's certificate may seek to add additional areas of certification endorsement. The Certification Officer will assist the student in program planning to meet the State Department of Education requirements.

Job Placement

It is recommended that each student place a resume on file with the Athens State University Placement Office prior to graduation.

Support for Beginning Teachers

Athens State University graduates have completed a program which prepares teachers to be:

1. effective communicators;
2. knowledgeable scholars;
3. positive, supportive professionals;
4. resourceful curriculum planners;
5. skilled facilitators of developmental growth;
6. student-centered, reflective instructors;
7. capable classroom managers;
8. competent evaluators; and
9. lifelong learners.

In order to provide support and to assure continued application of and growth in these professional qualities, additional services are available. The College of Education of Athens State University encourages graduates and public school personnel to contact the College for any of the following support services:

1. on-going mentorship of beginning teachers, including utilizing LiveText in day-to-day teaching and planning;
2. curriculum laboratory resources;
3. one-on-one support conferences;
4. content support from other academic areas; and
5. site visits.

Transfers

Students transferring after achieving junior status and who are requesting entry into the Teacher Education Program are required to complete a minimum of 24 semester hours of advisor-approved courses in the professional and subject discipline including department designated capstone course(s), in addition to an internship at Athens State University. All transfer students will be required to take and make a grade of C or better in ED 301 & ED 302 Foundations of Education I & II at Athens State University. No substitutions are allowed. Courses that require admission to the Teacher Education Program (TEP) cannot be transferred into an Athens State University College of Education plan of study.

TECHNICAL EDUCATION

(Class B, Secondary Professional Certification)

Meets Requirements for State Certification Levels 1-4

Bachelor of Science in Education - Secondary Technical Education
MAJOR CODE: 13.1320

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

1. General and Professional Education Requirements for the degree and applicable General University Requirements.

2. Technical Training Credit - Up to 39 semester hours maximum credit may be awarded to those who meet the following criteria:
 *possess a high school diploma (or equivalent) and have documentation of at least 14,000 hours (seven years) of work experience in the past ten years as a wage earner (immediately preceding date of application for a teaching position) in a technical enterprise relative to the teaching area **or**
 *possess a high school diploma (or equivalent) and hold a technical certification from an approved post-secondary career/technical training program and have documentation of at least 10,000 (five years) work experience within eight years (immediately preceding date of application for a teaching position) in a technical enterprise relative to the teaching area **or**
 *possess a high school diploma (or equivalent) and be a graduate from an approved associates degree program in a career/technical training program and have documentation of at least three years work experience within eight years (immediately preceding date of application for a teaching position) in a technical enterprise relative to the teaching area

*Receipt of the Alabama State Department of Education Class B teaching certificate is contingent upon the candidate meeting the requirements of the Technical Training Credit as outlined above and any other requirements as stated in the Alabama Code for Teacher Certification. http://www.alsde.edu/html/sections/doc_download.asp?section=66&id=9121&sort=7

3. **GENERAL UNIVERSITY REQUIREMENTS**

4. **GENERAL STUDIES CURRICULUM CORE:**

Area I. (6 semester hours)
Written Composition 3 sem. hrs.___ 3 sem hrs.___
Area I Total: 6 sem. hrs.

Area II. Humanities and Fine Arts (12 semester hours)
The Arts (art, music, theater, dance) 3 sem. hrs. ___
Speech (SPH 106 or 107) 3 sem. hrs. ___
Humanities (Could include, but not limited to, philosophy, religion,
foreign languages, art, music, theater, dance.) 3 sem. hrs. ___
Literature* 3 sem. hrs. ___ **or** 6 sem hrs. ___ ___
Area II Total: (Do not exceed Area II total) 12 sem. hrs.

Area III. Natural Seienees and Mathematics (11 semester hours)
Precalculus algebra or higher (May take finite math) 3 sem. hrs. ___
Natural sciences (must include laboratory experiences) (Could include,
but not limited to astronomy, biology, chemistry, geology, and physics.) 4 sem. hrs. ___ 4 sem. hrs. ___
Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)
Social and Behavioral Sciences (Could include, but not limited to,
anthropology, economics, geography, political science,
psychology** or sociology.) 3 sem. hrs. ___ 3 sem. hrs. ___
3 sem. hrs. ___
History* 3 sem. hrs. ___ **or** 6 sem. hrs. ___ ___
(Do not exceed Area IV total.)
Area IV Total: (Do not exeeed Area IV total) 12 sem. hrs.

***Student must complete a 6 semester hour sequenee either in literature or history.**
****General Psyehology is reeommended beeause it is a prerequisite to PS 334 and PS 332.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

AREA V. PRE-PROFESSIONAL COURSES:

Approved technical coursework from AAS/AAT/AOT degree programs, work experience, and ACE or Armed Services assessed courses 19 - 39 semester hours___

TOTAL PRE-PROFESSIONAL COURSE HOURS 19-39 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS - 60-80 semester hours

5. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 301 Foundations of Education I. 3 semester hours ___
ED 302 Foundations of Education II..... 3 semester hours ___
SC 333 Teaching Reading/Writing in Content Areas 3 semester hours ___
PS 334 Adolescent Psychology 3 semester hours ___
EC 348 Labor Economics 3 semester hours ___
CE 302 History and Principles of Career Technical Education 3 semester hours ___
CE 487 Internship in Technical Education 9 semester hours ___

TOTAL PROFESSIONAL EDUCATION COURSE HOURS 27 semester hours

6. TEACHING FIELD REQUIREMENTS:

CE 305 Meeting Needs of Exceptional Career Technical Education Students 3 semester hours ___
CE 432 Teaching Career/Technical Education 3 semester hours ___
CE 433 Learning Resources and Technology in Career Technical Education 3 semester hours ___
CE 434 Course Development and Evaluation in Career Technical Education 3 semester hours ___
CE 435 Industrial Health and Shop Safety 3 semester hours ___
CE 436 Career/Technical Information and Guidance 3 semester hours ___
CE 438 Classroom/Laboratory Management and Student Leadership Dev. 3 semester hours ___
CE 439 Career/Technical Student Youth Organizations 3 semester hours ___
CE 440 Testing/Evaluation in Career Technical Education.....3 semester hours ___
CE 445 Functions of the Coordinator 3 semester hours ___

Minimum of 7 hours of electives. Choose from the list below:

ELECTIVES:

CE 483 Practicum in Teaching Technical Education 3 semester hours ___
CE 484 Practicum in Teaching Technical Education 3 semester hours ___
CE 485 Practicum in Teaching Technical Education 3 semester hours ___
*CE 459 Advanced Career Technical Speciality 3-12 semester hours ___
*CE 469 Career Technical Speciality Teaching (In-Service ONLY) 3-6 semester hours ___
*CE 470 Practicum-Supervised Work Exp..... 3 semester hours ___

Courses Underlined Require Admission to Teacher Education Program (TEP).

TOTAL TEACHING FIELD HOURS 42 semester hours

TOTAL HOURS FOR GRADUATION 124-144 semester hours

Elective courses may be required to meet the minimum degree requirements of 124 credit hours. These may come from the Technical courses offered or other area as approved by the advisor. Elective courses MUST be from the 300 or 400 level.

***Permission of Department Chair is Required**

Suggested Course Sequence
Secondary Class B
Technical Education

First Semester

ED 301	Foundations of Education I
CE 302	History and Principles of Career Technical Education
CE 305	Meeting the Needs of Exceptional Career Technical Education Students
CE 433	Learning Resources and Technology in Career Technical Education

Second Semester

ED 302	Foundations of Education II
CE 432	Teaching Career Technical Education
CE 438	Classroom/Laboratory Management
CE 439	Career Technical Student Youth Organizations

Third Semester

CE 435	Industrial Health and Shop Safety
CE 434	Course Development and Evaluation in Career Technical Education
CE 436	Career Technical Information and Guidance
EC 348	Labor Economics

Fourth Semester

PS 334	Adolescent Psychology
*CE 440	Testing and Evaluation in Career Technical Education
CE 445	Functions of the Coordinator
*SC 333	Teaching Reading/Writing in the Content Areas
**	Electives -300 or 400 level courses

Fifth Semester

*CE 487	Internship in Technical Education

*Required permission of the Teacher Education Program.

**Elective courses may be required to meet the minimum degree requirements of 124 credit hours. These may come from the Technical Education courses offered or other areas as approved by the advisor. Elective courses MUST be from the 300 or 400 level.

TECHNICAL EDUCATION

(No Class B Certification)

Bachelor of Science in Education -Technical Education
MAJOR CODE: 13.1320

The College of Education offers a program designed to prepare instructors to serve in the technical trade and industrial areas of instruction in technical colleges, institutes, military installations and schools. Admission to the program is dependent upon the student's validation of an acceptable technical skill or technology as noted by the Department of Labor Job Code. A student who does not possess such technology may not enter the program. This program **does not** lead to Class B, Secondary Professional Certification.

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.
2. Technical Training Credit - Up to 39 semester hours maximum credit may be awarded to those who meet the following criteria:
 a. possess a high school diploma (or equivalent) and have documentation of at least 14,000 hours of work experience in the past ten years as a wage earner in a technical enterprise relative to the teaching area **or**
 b. possess a high school diploma (or equivalent) and hold a technical certification or be a graduate from an approved post-secondary career/technical training program.

3. **GENERAL STUDIES CURRICULUM CORE:**

Area I. (6 semester hours)
Written Composition 3 sem. hrs. ___ 3 sem hrs. ___
Area I Total: 6 sem. hrs.

Area II. Humanities and Fine Arts (12 semester hours)
The Arts (art, music, theater, dance) 3 sem. hrs. ___
Speech (SPH 106 or 107) 3 sem. hrs. ___
Humanities (Could include, but not limited to, philosophy, religion, foreign languages, art, music, theater, dance.) 3 sem. hrs. ___
Literature* 3 sem. hrs. ___ **or** 6 sem hrs. ___ ___
Area II Total: (Do not exceed Area II total) 12 sem. hrs.

Area III. Natural Sciences and Mathematics (11 semester hours)
Precalculus algebra or higher (May take finite math) 3 sem. hrs.___
Natural sciences (must include laboratory experiences) (Could include, but not limited to, astronomy, biology, chemistry, geology, and physics.) 4 sem. hrs.___ 4 sem. hrs. ___
Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)
Social and Behavioral Sciences (Could include, but not limited to, anthropology, economics, geography, political science, psychology** or sociology.) 3 sem. hrs. ___ 3 sem. hrs. ___
..... 3 sem. hrs. ___
History* 3 sem. hrs. ___ **or** 6 sem. hrs. ___ ___
Area IV Total: (Do not exceed Area IV total) 12 sem. hrs.

***Student must complete a 6 semester hour sequence either in literature or history.**
****General Psychology is recommended because it is a prerequisite to PS 334 and PS 335.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

AREA V. PRE-PROFESSIONAL COURSES:
Additional hours from approved technology courses from A.A.T. or A.A.S. degree or work experience. 19-39 semester hours___
Health and physical education 3 semester hours ___

TOTAL PRE-PROFESSIONAL COURSE HOURS 22-42 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS . 63-83 semester hours

4. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 301	Foundations of Education I - special section	3 semester hours ___
ED 302	Foundations of Education II - special section	3 semester hours ___
PS 334	Adolescent Psychology **OR**	
PS 335	Adult Psychology **OR**	
PS 368	Industrial and Personnel Psychology	3 semester hours ___
CE 302	History and Principles of Career/Technical Education	3 semester hours ___
CE 305	Meeting Needs of Exceptional Career/Technical Education Students	3 semester hours ___
CE 432	Teaching Career/Technical Education	3 semester hours ___
CE 433	Learning Resources and Technology in Career Technical Education	3 semester hours ___
CE 434	Course Development and Evaluation in Career Technical Education	3 semester hours ___
CE 435	Industrial Health and Shop Safety	3 semester hours ___
CE 438	Classroom/Laboratory Management	3 semester hours ___
CE 440	Testing and Evaluation in Career Technical Education	3 semester hours ___

TOTAL PROFESSIONAL EDUCATION COURSE HOURS 33-41 semester hours

5. **ADVISOR APPROVED ELECTIVES TO EQUAL MINIMUM DEGREE REQUIREMENTS. ELECTIVES:**

*CE 459	Advanced Career Technical Speciality	3-12 semester hours ___
CE 460	Directed Study/ResearchCareer/Technical Education	1-9 semester hours ___
*CE 469	Career Technical Speciality Teaching (In-Service ONLY)	3-6 semester hours ___
*CE 470	Practicum-Supervised Work Exp	3 semester hours ___
CE 483	Practicum in Teaching Technical Education	3 semester hours ___
CE 484	Practicum in Teaching Technical Education	3 semester hours ___
CE 485	Practicum in Teaching Technical Education	3 semester hours ___

MINIMUM HOURS FOR GRADUATION 124 semester hours

***Permission of Department Chair is required.**

Elective courses may be required to meet the minimum degree requirements of 124 credit hours. These may come from the Technical Education courses offered or other area as approved by the advisor. Elective courses MUST be from the 300 or 400 level.

SUGGESTED COURSE SEQUENCE
Post-Secondary (No Class B)
Technical Education

First Semester

ED 301	Foundations of Education I for POST SECONDARY majors ONLY (special session)
CE 305	Meeting the Needs of the Exceptional Career Technical Student
CE 432	Teaching Career Technical Education
CE 434	Course Development and Evaluation in Career Technical Education

Second Semester

ED 302	Foundations of Education II for POST SECONDARY majors ONLY (special session)
CE 302	History and Principles of Career Technical Education
CE 433	Learning Resources and Technology in Career Technical Education
CE 438	Classroom/Laboratory Management

Third Semester

CE 435	Industrial Health and Shop Safety
CE 470	Practicum - Supervised Work Experience
PS 334	Adolescent Psychology
or	
PS 335	Adult Psychology
or	
PS 368	Industrial and Personnel Psychology
**	2 Electives - 300 or 400 level courses

Fourth Semester

CE 440	Testing & Evaluation in Career Technical Education
**	2 Electives - 300 or 400 level course

Fifth Semester

CE 460	Directed Study/ResearchCareer/Technical Education
or	
CE 483	Practicum in Teaching Technical Education
CE 484	Practicum in Teaching Technical Education
CE 485	Practicum in Teaching Technical Education
**	Elective - 300 or 400 level course

**Elective courses may be required to meet the minimum degree requirements of 124 credit hours. These may come from the Technical Education courses offered or other area as approved by the advisor. Elective courses MUST be from the 300 or 400 level.

Bachelor of Science in Education - Military Instructor/Staff Development in Technical Education
MAJOR CODE: 13.1320

Program components for the Bachelor of Science degree with an emphasis in Career Technical Education include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS**

2. Technical Training (up to 39 semester hours maximum credit) published by the American Council on Education. Work experience credit may require validation by a state approved examination or another comparable examination of competency.

3. **GENERAL STUDIES CURRICULUM CORE:**

Area I. (6 semester hours)
Written Composition 3 sem. hrs. ___ 3 sem hrs. ___
Area I Total: 6 sem. hrs.

Area II. Humanities and Fine Arts (12 semester hours)
The Arts (art, music, theater, dance) 3 sem. hrs. ___
Humanities (Could include, but not limited to, philosophy, religion, foreign languages, art, music, theater, dance.) 3 sem. hrs. ___
Speech (SPH 106 or 107) 3 sem. hrs. ___
Literature* 3 sem. hrs. ___ **or** 6 sem hrs.___ ___

Area II Total: (Do not exceed Area II Total) 12 sem. hrs.

Area III. Natural Sciences and Mathematics (11 semester hours)
Precalculus algebra or higher (May take finite math) 3 sem. hrs. ___
Natural sciences (must include laboratory experiences) (Could include, but not limited to, astronomy, biology, chemistry, geology, and physics.) 4 sem. hrs. ___ 4 sem. hrs. ___
Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)
Social and Behavioral Sciences (Could include, but not limited to, anthropology, economics, geography, political science, psychology** or sociology.) 3 sem. hrs. ___ 3 sem. hrs. ___
..... 3 sem. hrs. ___
History* 3 sem. hrs. ___ or 6 sem. hrs. ___ ___
Area IV Total: (Do not exceed Area IV total) 12 sem. hrs.

***Student must complete a 6 semester hour sequence either in literature or history.**
****General Psychology is recommended because it is a prerequisite to PS 334 and PS 335.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 SEMESTER HOURS

AREA V. PRE-PROFESSIONAL COURSES:

Additional hours from approved technology courses from A.A.T. or A.A.S. degree or work experience. 16-20 semester hours ___
Health and physical education 3 semester hours ___

TOTAL PRE-PROFESSIONAL COURSE HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSES: 60-64 semester hours

4. **CAREER TECHNICAL EDUCATION COURSES REQUIRED:**

ED	301 Foundations of Education I for POST SECONDARY majors ONLY (special session)	3 semester hours	___
ED	302 Foundations of Education II for POST SECONDARY majors ONLY (special session)	3 semester hours	___
PS	334 Adolescent Psychology **or** PS 335 Adult Psychology	3 semester hours	___
CE	302 History and Principles of Career Technical Education	3 semester hours	___
CE	305 Meeting the Needs of Exceptional Career Tech Education Students	3 semester hours	___
CE	432 Methods of Teaching Career Technical Education	3 semester hours	___
CE	433 Learning Resources and Technology in Career Technical Education	3 semester hours	___
CE	434 Course Development and Evaluation in Career Technical Education	3 semester hours	___
CE	435 Industrial Health and Shop Safety	3 semester hours	___
CE	438 Classroom/Laboratory Management	3 semester hours	___
CE	440 Testing and Evaluation in Career Technical Education	3 semester hours	___
CE	446 Individualizing Instruction in the Career Technical Programs	3 semester hours	___
CE	483, 484, 485 Practicum in Teaching Career Technical Ed. (Select 1)	3 semester hours	___
TOTAL COURSE HOURS		**39 semester hours**	

5. Advisor approved electives to equal minimum degree requirements. 9 semester hours

6. *Applied Technology Practicums: CE 450, 451, 452, 470, 471, 472 0-19 semester hours

TOTAL HOURS FOR GRADUATION 124-131 semester hours

***Permission of Department Chair is required.**

MILITARY INSTRUCTOR/STAFF DEVELOPMENT IN TECHNICAL EDUCATION SUGGESTED COURSE SEQUENCE

YEAR ONE

First Semester

ED 301 Foundations of Education I Section for Post-Secondary No Class B seeking students ONLY
CE 302 History and Principles of Career Technical Education
CE 305 Meeting the Needs of the Exceptional Career Technical Students
PS 334 Adolescent Psychology
or
PS 335 Adult Psychology
Elective(s) as needed

Second Semester

ED 302 Foundations of Education II Section for Post-Secondary No Class B seeking students ONLY
CE 432 Teaching Career Technical Education
CE 433 Learning Resources and Technology in Career Technical Education
CE 434 Course Development and Evaluation in Career Technical Education
CE 435 Industrial Health and Shop Safety
Elective(s) as needed

YEAR TWO

First Semester

CE 438 Classroom/Laboratory Management
CE 440 Testing and Evaluation in Career Technical Education
CE 446 Individualizing Instruction in the Career Technical Programs
Elective(s) as needed

Second Semester

Select one:
CE 483 Practicum in Teaching Technical Education
CE 484 Practicum in Teaching Technical Education
CE 485 Practicum in Teaching Technical Education
Elective(s) as needed

NOTE: General Studies Curriculum Core Requirements (English and Speech) should be completed prior to Career Technical courses.

Bachelor of Science in Education - Early Childhood Education Major (P-3)

MAJOR CODE: 13.1209

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Program components for the Bachelor of Science in Education with a major in Early Childhood Education include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS**

2. **GENERAL STUDIES CURRICULUM CORE:**

Area I. (6 semester hours)
Written Composition 3 sem. hrs.___ 3 sem. hrs. ___

Area I Total: 6 sem. hrs

Area II. Humanities and Fine Arts (12 semester hours)
The Arts (art, music, theater, dance) 3 sem. hrs.___
Speech (SPH 106 or SPH 107) 3 sem. hrs.___
Humanities (Could include, but not limited to, philosophy, religion, speech, foreign languages, art, music, theater, dance, literature.) 3 sem. hrs.___
Literature* 3 sem. hrs.___ **or** 6 sem hrs. ___

Area II Total: 12 sem. hrs.

Area III. Natural Sciences and Mathematics (11 semester hours)
One upper level math (which could include Precalculus Algebra, Finite Math, or (MA 311) Advanced Math for Teachers)..... 3 sem. hrs. ___
Two Biological Sciences with Labs 4 sem. hrs. ___ 4 sem. hrs. ___

Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)
Social and Behavioral Sciences (Could include, but not limited to, anthropology, economics, geography, political science, psychology or sociology.) 3 sem. hrs.___ 3 sem hrs. ___
..... 3 sem. hrs.___
History* 3 sem. hrs.___ **or** 6 sem hrs. ___ ___

Area IV Total: 12 sem. hrs.

Area V. PRE-PROFESSIONAL COURSES
Students must take the following:
CHD 209 Infant and Toddler Programs or ER 309 Early Brain Development 3 sem. hrs. ___
CHD 206 Children's Health, Safety, and Nutrition 3 sem. hrs. ___
Students must take one of the following:
CHD 203, CHD 204, CHD 205, CHD 215 3 sem. hrs. ___
Physical science (chemistry, physics, astronomy, geology or Physical Science 111 or 112.) 4 sem. hrs. ___
One upper level math (which could include Precalculus Algebra, Finite Math, or (MA 311) Advanced Math for Teachers) 3 sem. hrs. ___
Mathematics (One lower level math 100 or above) 3 sem. hrs. ___
Mathematics (One lower level math 100 or above) 3 sem. hrs. ___

Area V Total: 22 sem. hrs.

TOTAL CORE AND MAJOR PREREQUISITE HOURS: 63 sem. hrs.

*Students must complete a 6 semester hour sequence either in Area I. Literature or in Area IV. History.

3A. PROFESSIONAL STUDIES CURRICULUM:

ED 301 Foundations of Education I 3 sem. hrs. ___
ED 302 Foundations of Education II 3 sem. hrs. ___
ED 305 Technology and Media in Education 3 sem. hrs. ___
**PS 332 Child Psychology 3 sem. hrs. ___
**SE 301 Intro. To Exceptional Learners 3 sem. hrs. ___
ER 480 Internship in Early Childhood Education.....9-12 sem. hrs. ___ ___ ___ ___

TOTAL PROFESSIONAL STUDIES CURRICULUM HOURS:..... 24-27 semester hours

3B. TEACHING FIELD REQUIREMENTS:

**AR 310 Fine Arts Connection 3 sem. hrs. ___
ED 322 Basic Principles of ELL Education 3 sem. hrs. ___
ER 302 Theories and Stages in Language Development 3 sem. hrs. ___
ER 303 Prof. Ed. Communication 3 sem. hrs. ___
ER 310 Principles of Early Childhood Education 3 sem. hrs. ___
ER 319 Literacy and Literature for the Young Child 3 sem. hrs. ___
ER 323 Teaching Reading in the Primary Grades 3 sem. hrs. ___
ER 326 Assessment in Early Childhood Classrooms 3 sem. hrs. ___
ER 327 Classroom Management in Early Childhood Education 3 sem. hrs. ___
ER 330 Children's Constructions of Relationships through Arithmetic and Mathematical Reasoning 3 sem. hrs. ___
ER 430 Investigations, Experimentation & Inquiry 3 sem. hrs. ___
ER 470 Early Childhood Curriculum. 3 sem. hrs. ___
HPE 429 Early Childhood and Elementary Physical Education Curriculum 3 sem. hrs. ___

3C. ADDITIONAL REQUIREMENTS:

***ER 460,461,462 Practica in Early Childhood Education 3, 6, or 9 sem. hrs.___ ___ ___

** Students who are Early Childhood majors and have taken CHD 201- Child Growth and Development, CHD 202 - Creative Experiences, and/or CHD 210 - Educating the Exceptional Child **do not take** PS 332 -Child Psychology, AR 310 - Fine Arts Connection or SE 301- Introduction to Exceptional Learners. These students must take ER 460/461/462 - Practica in Early Childhood Education. Students who have taken CHD 201 are required to take ER 460. Students who have taken CHD 210 are required to take ER 461. Students who have taken CHD 202 are required to take ER 462. This does not apply to Elementary Education Majors.

TOTAL TEACHING FIELD HOURS 39 SEMESTER HOURS

Courses underlined require admission to the Teacher Education Program.

TOTAL HOURS FOR GRADUATION 126 SEMESTER HOURS

EARLY CHILDHOOD EDUCATION P-3
RECOMMENDED SEQUENCE

Junior - Semester I

ED 301	Foundations of Education I	3 semester hours	___
ED 305	Technology & Media in Education	3 semester hours	___
ER 303	Professional Education Communication	3 semester hours	___
ER 310	Principles of Early Childhood Education	3 semester hours	___
PS 332	Child Psychology	3 semester hours	___

Semester II

ED 302	Foundations of Education II	3 semester hours	___
ED 322	Basic Principles of ELL Education	3 semester hours	___
ER 326	Assessment in Early Childhood Classrooms	3 semester hours	___
ER 327	Classroom Management in Early Childhood Education	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___

Semester III

AR 310	Fine Arts Connection	3 semester hours	___
ER 302	Theories and Stages in Language Development	3 semester hours	___
ER 330	Children's Construction of Relationships through Arithmetic and Mathematical Reasoning	3 semester hours	___
HPE 429	Early Childhood and Elementary Physical Education Curriculum	3 semester hours	___

Senior - Semester I

ER 319	Literacy and Literature for the Young Child	3 semester hours	___
ER 323	Teaching Reading in the Primary Grades	3 semester hours	___
ER 430	Investigations, Experimentation & Inquiry	3 semester hours	___
ER 460, 461 or 462	Practicum in Early Childhood Education (if required)	3-9 semester hours	___ ___ ___
ER 470	Early Childhood Curriculum	3 semester hours	___

Semester II

ER 480	Internship in Early Childhood Education	9-12 semester hours	___

Bachelor of Science in Education - Elementary Education Major (K-6)

MAJOR CODE: 13.1202

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

I. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

2. GENERAL STUDIES CURRICULUM CORE:

Area I. (6 semester hours)

Written Composition 3 sem. hrs. ___ 3 sem hrs. ___

Area I Total: 6 sem. hrs.

Area II. Humanities and Fine Arts (12 semester hours)

The Arts (art, music, theater, dance) 3 sem. hrs. ___

Speech (SPH 106 or SPH 107) 3 sem. hrs. ___

Humanities (Could include, but not limited to: philosophy, religion, speech, foreign languages, art, music, theater, dance.) 3 sem. hrs. ___

Literature* 3 sem. hrs. ___ **or** 6 sem hrs. ___ ___

Area II Total: 12 sem. hrs.

Area III. Natural Sciences and Mathematics (11 semester hours)

Precalculus Algebra or higher 3 sem. hrs.___

Two Biological Sciences with Labs 4 sem. hrs. ___ 4 sem. hrs. ___

Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)

Social and Behavioral Sciences (Could include, but not limited to: anthropology, economics, geography, political science,

**psychology or sociology.) 3 sem. hrs. ___ 3 sem hrs. . ___

..... 3 sem. hrs. ___

History * 3 sem. hrs. ___ **or** 6 sem hrs.___ ___

Area IV Total: 12 sem. hrs.

***Students must complete a 6 semester hour sequence either in Area II Literature or in Area IV History.**

****General Psychology is recommended because it is a prerequisite to PS 332, a required course in the major.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

Area V. MAJOR PREREQUISITE COURSES (PREPROFESSIONAL)

Two Physical Science Courses with Labs (in different disciplines) 8 semester hours___ ___

One upper level math (which could include Precalculus Algebra, Finite Math, or (MA 311) Advanced Math for Teachers)..... . 3 sem. hrs. ___

Mathematics (One lower level math 100 or above) 3 sem. hrs. ___

Mathematics (One lower level math 100 or above) 3 sem. hrs. ___

TOTAL MAJOR PREREQUISITE HOURS: 17 semester hours

TOTAL GENERAL CORE AND MAJOR PREREQUISITE HOURS: 58 semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 301	Foundations of Education I	3 semester hours	___
ED 302	Foundations of Education II	3 semester hours	___
ED 305	Technology & Media in Education	3 semester hours	___
PS 332	Child Psychology	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___
EL 482	Internship in Elementary Education	9-12 semester hours	___

TOTAL PROFESSIONAL STUDIES CURRICULUM HOURS: 24-27 semester hours

4. **TEACHING FIELD REQUIREMENTS:**

AR310	Fine Arts Connection	3 semester hours	___
ED 322	Basic Principles of ELL Education	3 semester hours	___
EL 315	Principles & Methods of Teaching Kindergarten	3 semester hours	___
EL 320	Children's Literature	3 semester hours	___
EL 321	Teaching Language Arts	3 semester hours	___
ER 323	Teaching Reading in the Primary Grades	3 semester hours	___
EL 324	Teaching Mathematics in the Primary Grades	3 semester hours	___
EL 351	Assessment Strategies for the Elementary Classroom	3 semester hours	___
EL 352	Management Strategies for the Elementary Classroom	3 semester hours	___
EL 413	Teaching Reading in the Intermediate Grades	3 semester hours	___
EL 420	Teaching Science	3 semester hours	___
EL 423	Teaching Social Studies	3 semester hours	___
EL 424	Teaching Mathematics in the Intermediate Grades	3 semester hours	___
EL 484	Curriculum Seminar in Elementary Education	3 semester hours	___
HPE 429	Early Childhood and Elementary Physical Education Curriculum	3 semester hours	___

TOTAL TEACHING FIELD HOURS 45 semester hours

Underlined courses require admission to the Teacher Education Program.

TOTAL HOURS FOR GRADUATION 127 semester hours

ELEMENTARY EDUCATION K-6
RECOMMENDED SEQUENCE

First Semester

AR 310	Fine Arts Connection	3 semester hours	___
ED 301	Foundations of Education I	3 semester hours	___
ED 305	Technology and Media in Education	3 semester hours	___
EL 315	Principles & Methods of Teaching Kindergarten	3 semester hours	___
EL 320	Children's Literature	3 semester hours	___
PS 332	Child Psychology	3 semester hours	___

Second Semester

ED 302	Foundations of Education II	3 semester hours	___
ED 322	Basic Principles of Teaching ELL ED	3 semester hours	___
EL 324	Teaching Math in the Primary Grades	3 semester hours	___
EL 351	Assessment Strategies for the Elementary Classroom	3 semester hours	___
HPE 429	Early Childhood and Elementary Physical Education Curriculum	3 semester hours	___
SE 301	Intro. to Exceptional Learners	3 semester hours	___

Methods I

EL 321	Teaching Language Arts	3 semester hours	___
EL 352	Management Strategies for the Elementary Classroom	3 semester hours	___
EL 420	Teaching Science	3 semester hours	___
ER 323	Teaching Reading in the Primary Grades	3 semester hours	___

Methods II

EL 413	Teaching Reading in the Intermediate Grades	3 semester hours	___
EL 423	Teaching Social Studies	3 semester hours	___
EL 424	Teaching Math in the Intermediate Grades	3 semester hours	___
EL 484	Curriculum Seminar in Elementary Education	3 semester hours	___

Internship Block

EL 482	Internship in Elementary Education	9-12 semester hours	___

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

The Physical Education curriculum at Athens State University consists of courses which meet the requirements of the State Department of Education for Class "B" Teacher Certification for the professional programs in Physical Education (P-12). A Bachelor of Science in Health Education (6-12) with a Licensure/Certification track from the College of Arts and Science is also offered.

Bachelor of Science in Education - Physical Education Major
P-12 Certification
MAJOR CODE: 13.1314

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Program components for the Bachelor of Science in Education degree with a major in Physical Education, P-12 certification, include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS

2. GENERAL STUDIES CURRICULUM CORE:

Area I. (6 semester hours)
Written Composition 3 sem. hrs. ___ 3 sem hrs. ___
Area I Total: 6 sem. hrs.

Area II. Humanities and Fine Arts (12 semester hours)
The Arts (art, music, theater, dance) 3 sem. hrs. ___
Speech (SPH 106 or SPH 107) 3 sem. hrs. ___
Humanities (Could include, but not limited to, philosophy, religion, speech, foreign languages, art, music, theater, dance.) 3 sem. hrs. ___
Literature* 3 sem. hrs. ___ or 6 sem hrs.___ ___
Area II Total: (Do not exceed Area II total.) **12 sem. hrs.**

Area III. Natural Sciences and Mathematics (11 semester hours)
Precalculus algebra or higher (Students may take MTH 110 Finite Math) 3 sem. hrs. ___
Human Anatomy and Physiology or equivalent 4 sem. hrs. ___
Natural Science with Lab (Could include, but not limited to, astronomy, biology, chemistry, geology, and physics.) 4 sem. hrs. ___
Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)
Social and Behavioral Sciences (Could include, but not limited to, anthropology, economics, geography, political science, psychology** or sociology.) 3 sem. hrs. ___ 3 sem hrs. ___
Human Growth & Development or equivalent 3 sem. hrs. ___
History * 3 sem. hrs. ___ or 6 sem hrs. ___ ___
Area IV Total: (Do not exceed Area IV total) 12 sem. hrs.

***Students must complete a 6 semester hour sequence either in Area II. Literature or in Area IV. History.**

****General Psychology is recommended because it is a prerequisite to PS 332. (PS 332 <u>and</u> Human Growth & Development is required.)**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

Area V. Major Prerequisite Courses (Preprofessional):
Foundations of Physical Education or HPE 326 3 sem. hrs. ___
Personal or Community Health or HPE 354 Contemporary Health 3 sem. hrs. ___
Safety and First Aid or HPE 323 Aquatics and Advanced Lifesaving 3 sem. hrs. ___
Care and Prevention of Athletic Injuries or HPE 333 Care & Prevention 3 sem. hrs. ___
Sports Officiating or HPE 301 Theory of Coaching & Officiating 3 sem. hrs. ___
Physical Education Activity (at least 3 different activity courses) 3 sem. hrs. ___ ___ ___

TOTAL MAJOR PREREQUISITE COURSES: 18 semester hours

TOTAL GENERAL CORE AND MAJOR PREREQUISITE COURSE HOURS. . 59 semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 301	Foundations of Education I	3 sem. hrs.	___
ED 302	Foundations of Education II	3 sem. hrs.	___
ED 305	Technology & Media in Education	3 sem. hrs	___
ED 322	Basic Principles of ELL Education	3 sem. hrs.	___
SE 301	Introduction to Exceptional Learners	3 sem. hrs,	___
HPE 401	Measurement and Evaluation of Physical Education	3 sem. hrs.	___
HPE 430	Teaching Physical Education in the Elementary School (Capstone course)	3 sem. hrs.	___
HPE 440	Teaching Physical Education in High School (Capstone course)	3 sem. hrs.	___
HPE 488	Internship in P-12 Education	9-12 sem.. hrs.	___

TOTAL PROFESSIONAL EDUCATION COURSE HOURS: 33-36 semester hours
Courses underlined require admission to the Teacher Education Program.

4. **TEACHING FIELD REQUIREMENTS:**

SE 315	Introduction to Cognitive and Health Disability	3 sem. hrs.	___
SE 325	Introduction to Learning and Emotional Disabilities	3 sem. hrs.	___
HPE 321	Analysis and Teaching of Rhythms and Dance	3 sem. hrs.	___
HPE 322	Analysis and Teaching of Individual Sports	3 sem. hrs.	___
HPE 324	Analysis and Teaching of Team Sports	3 sem. hrs.	___
HPE 325	Kinesiology	3 sem. hrs.	___
HPE 327	Physiology of Exercise	3 sem. hrs.	___
HPE 350	Adapted Physical Education and Sports	3 sem. hrs.	___
HPE 355	Health-Related Fitness and Nutrition	3 sem. hrs.	___
HPE 400	Organization and Administration of Physical Education	3 sem. hrs.	___
HPE 429	Early Childhood and Elementary Physical Education Curriculum	3 sem. hrs.	___
HPE 431	Motor Development and Physical Activities	3 sem. hrs.	___

TOTAL TEACHING FIELD HOURS: 36 semester hours

TOTAL HOURS FOR GRADUATION 128 semester hours

PHYSICAL EDUCATION
SUGGESTED COURSE SEQUENCE

Fall Semester

ED 301	Foundations of Education I	3 semester hours	___
HPE325	Kinesiology (Prerequisite - Human Anatomy and Physiology)	3 semester hours	___
HPE 321	Analysis & Teaching of Rhythms and Dance	3 semester hours	___
HPE 324	Analysis & Teaching of Team Sports	3 semester hours	___
HPE 326	History and Prin. of P.E. (if sub. course not taken in Area V)	3 semester hours	___
HPE 333	Care and Prevention of Athletic Injuries (if substitute course not taken in Area V)	3 semester hours	___
	Total	**18 semester hours**	

Spring Semester

ED 302	Foundations of Education II	3 semester hours	___
ED 322	Basic Principles of ELL Education	3 semester hours	___
HPE 301	Theory of Coaching and Officiating (if substitute course not taken in Area V)	3 semester hours	___
HPE 323	Aquatics and Advanced Lifesaving (if substitute course not taken in Area V)	3 semester hours	___
HPE 355	Health-Related Fitness & Nutrition	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___
	Total	**18 semester hours**	

Summer Semester

ED 305	Technology & Media in Education	3 semester hours	___
HPE 322	Analysis & Teach. of Individual Sports	3 semester hours	___
HPE 327	Physiology of Exer. (Prerequisite - Human Anatomy and Physiology)	3 semester hours	___
HPE 350	Adapted P.E. & Sports	3 semester hours	___
HPE 400	Org. & Adm. of P.E.	3 semester hours	___
SE 315	Introduction to Cognitive and Health Disability	3 semester hours	___
	Total	**18 semester hours**	

Fall Semester

*HPE 430	Teach. P.E. in the Elem. School (Prerequisite - 3 Analysis and Teaching Classes)	3 semester hours	___
HPE 429	Early Childhood and Elementary Physical Education Curriculum	3 semester hours	___
*HPE 401	Measurement and Evaluation of P.E.	3 semester hours	___
*HPE 440	Teaching P.E. in High School (Prerequisite - 3 Analysis and Teaching Classes)	3 semester hours	___
HPE 431	Motor Development & Physical Activity (prerequisite - Child Psychology or equivalent)	3 semester hours	___
SE 325	Introduction to Learning and Emotional Disabilities	3 semester hours	___
	Total	**18 sem. hrs.**	
	Grand Total	**72 sem. hrs.**	

Spring Semester

*HPE 488	Internship in P-12 Education	9-12 semester hours	___

*Requires Admission to Teacher Education Program

SPECIAL EDUCATION (Collaborative Teacher)

The Special Education Program at Athens State University is designed to prepare professionals to work with students across various age levels (K-6 and 6-12) who have disabilities. The program provides pre-service training in preparation for the class "B" certificate.

Bachelor of Science in Education - Special Education (Collaborative Teacher) (K-6)

MAJOR CODE: 13.1001

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

2. **GENERAL STUDIES CURRICULUM CORE:**

Area I. (6 semester hours)

Written Composition	3 sem. hrs. ___	3 sem hrs. ___
Area I Total:	**6 sem. hrs.**	

Area II. Humanities and Fine Arts (12 semester hours)

The Arts (art, music, theater, dance)	3 sem. hrs. ___
Speech (SPH 106 or SPH 107)	3 sem. hrs. ___
Humanities (Could include, but are not limited to, philosophy, religion, speech, foreign languages, art, music, theater, dance.)	3 sem. hrs. ___
Literature*	3 sem. hrs. ___ **or** 6 sem hrs. ___
Area II Total: (Do not exceed Area II total)	**12 sem. hrs.**

Area III. Natural Sciences and Mathematics (11 semester hours)

Precalculus algebra or higher	3 sem. hrs. ___
One Biological Science and one Physical Science (must include laboratory experiences) (Could include, but are not limited to, astronomy, biology, chemistry, geology, and physics.)	4 sem. hrs. ___ 4 sem. hrs. ___
Area III Total:	**11 sem. hrs.**

Area IV. History, Social and Behavioral Sciences (12 semester hours)

Social and Behavioral Sciences (Could include, but are not limited to, anthropology, economics, geography, political science, psychology or sociology.)	3 sem. hrs. ___ 3 sem. hrs. ___
	3 sem. hrs. ___
History*	3 sem. hrs. ___ **or** 6 sem. hrs. ___
Area IV Total: (Do not exceed Area IV total)	**12 sem. hrs.**

***Student must complete a 6 semester hour sequence either in literature or history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

Area V. Major Prerequisite Courses (Pre-Professional):

One upper level math (which could include Precalculus Algebra, Finite Math, or (MA 311) Advanced Math for Teachers)	3 sem. hrs. ___
Mathematics (One lower level math 100 or above)	3 sem. hrs. ___
Mathematics (One lower level math 100 or above)	3 sem. hrs. ___
Either a Biological or Physical Science with a lab	4 sem. hrs. ___
Psychology (Human Growth & Development Required)	3 sem. hrs. ___

TOTAL MAJOR PREREQUISITE COURSES: 16 semester hours

TOTAL GENERAL CORE AND MAJOR PREREQUISITE COURSE HRS: .57 semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 301	Foundations of Education I	3 semester hours ___
ED 302	Foundations of Education II	3 semester hours ___
ED 305	Technology & Media in Education	3 semester hours ___
ED 322	Basic Principles of ELL Education	3 semester hours ___
EL 413	Teaching Reading in the Intermediate Grades	3 semester hours ___
SE 301	Introduction to Exceptional Learners	3 semester hours ___
SE 476	Internship in Collaborative Education (K-6)	9-12 semester hrs ___

TOTAL PROFESSIONAL EDUCATION COURSE HOURS: 27-30 semester hours

Courses underlined require admission to the Teacher Education program.

4. **TEACHING FIELD REQUIREMENTS:**

EL 321	Teaching Language Arts	3 semester hours ___
ER 323	Teaching Reading in the Primary Grades	3 semester hours ___
EL 324	Teaching Math in the Primary Grades	3 semester hours ___
EL 424	Teaching Math in the Intermediate Grades	3 semester hours ___
SE 315	Introduction to Cognitive and Health Disabilities	3 semester hours ___
SE 325	Introduction to Learning and Emotional Disabilities	3 semester hours ___
SE 335	Curriculum Development and Adaptations	3 semester hours ___
SE 355	Alternative Instructional Strategies	3 semester hours ___
SE 402	Asesessment for Exceptional Learners	3 semester hours ___
SE 425	Conferencing and Collaborative Techniques	3 semester hours ___
SE 435	Strategies for Individuals with Severe Disabilities	3 semester hours ___
SE 455	Language and Developmental Strategies for Young Children	3 semester hours ___
SE 465	IEPs and Other Legal Issues	3 semester hours ___
SE 495	Classroom Management and Discipline	3 semester hours ___

TOTAL TEACHING FIELD HOURS: 42 semester hours

Courses underlined require admission to the Teacher Education Program.

TOTAL HOURS FOR GRADUATION 126 semester hours

Bachelor of Science in Education - Special Education (Collaborative Teacher) (6-12)

MAJOR CODE: 13.1001

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS**

2. **GENERAL STUDIES CURRICULUM CORE:**

Area I. (6 semester hours)
Written Composition 3 sem. hrs. ___ 3 sem hrs.___

Area I Total: 6 sem. hrs.

Area II. Humanities and Fine Arts (12 semester hours)
The Arts (art, music, theater, dance.) 3 sem. hrs. ___
Speech (SPH 106 or SPH 107) 3 sem. hrs. ___
Humanities (Could include, but are not limited to, philosophy, religion, speech, foreign languages, art, music, theater, dance) 3 sem. hrs. ___
Literature* 3 sem. hrs. ___ **or** 6 sem hrs.___ ___

Area II Total: (Do not exceed Area II total) 12 sem. hrs.

Area III. Natural Sciences and Mathematics (11 semester hours)
Precalculus algebra or higher 3 sem. hrs. ___
One Biological science and one Physical Science (must include laboratory experiences) (Could include, but are not limited to, astronomy, biology, chemistry, geology, and physics.) 4 sem. hrs. ___4 sem. hrs. ___

Area III Total: 11 sem. hrs.

Area IV. History, Social and Behavioral Sciences (12 semester hours)
Social and Behavioral Sciences (Could include, but are not limited to, anthropology, economics, geography, political science, psychology or sociology.) 3 sem. hrs. ___ 3 sem. hrs. ___
..... 3 sem. hrs. ___
History* 3 sem. hrs. ___ **or** 6 sem. hrs.___ __

Area IV Total: (Do not exceed Area IV total) 12 sem. hrs.

***Student must complete a 6 semester hour sequence either in literature or history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

Area V. Major Prerequisite Courses (Pre-Professional):
Mathematics (Math 110 or Precalculus Algebra or higher math) 3 sem. hrs. ___
Mathematics (One lower level math 100 or above) 3 sem. hrs. ___
Mathematics (One lower level math 100 or above) 3 sem. hrs. ___
Either a Biological Science or Physical Science Elective 4 sem. hrs. ___
Psychology (Human Growth & Development) 3 sem. hrs. ___

TOTAL MAJOR PREREQUISITE COURSES: 16 semester hours

TOTAL GENERAL CORE & MAJOR PREREQUISITE COURSE HRS: 57 semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 301	Foundations of Education I	3 semester hours ___
ED 302	Foundations of Education II	3 semester hours ___
ED 305	Technology & Media in Education	3 semester hours ___
ED 322	Basic Principles of ELL Education	3 semester hours ___
EL 413	Teaching Reading in the Intermediate Grades	3 semester hours ___
SE 301	Introduction to Exceptional Learners	3 semester hours ___
SE 478	Internship in Collaborative Education (6-12)	9-12 semester hrs ___

TOTAL PROFESSIONAL EDUCATION COURSE HOURS: 27-30 semester hours

Courses underlined require admission to the Teacher Education program.

4. **TEACHING FIELD REQUIREMENTS:**

ER 323	Teaching Reading in the Primary Grades	3 semester hours ___
EL 324	Teaching Math in the Primary Grades	3 semester hours ___
EL 424	Teaching Math in the Intermediate Grades	3 semester hours ___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours ___
SE 315	Introduction to Cognitive and Health Disabilities	3 semester hours ___
SE 325	Introduction to Learning and Emotional Disabilities	3 semester hours ___
SE 335	Curriculum Development and Adaptations	3 semester hours ___
SE 355	Alternative Instructional Strategies	3 semester hours ___
SE 402	Assessment of Exceptional Learners	3 semester hours ___
SE 415	Transition Planning and Learning Strategies for Adolescents	3 semester hours ___
SE 425	Conferencing and Collaborative Techniques	3 semester hours ___
SE 435	Strategies for Individuals with Severe Disabilities	3 semester hours ___
SE 465	IEPs and Other Legal Issues	3 semester hours ___
SE 495	Classroom Management and Discipline	3 semester hours ___

TOTAL TEACHING FIELD HOURS 42 semester hours

TOTAL HOURS FOR GRADUATION 126 semester hours

Courses underlined require admission to the Teacher Education Program.

SPECIAL EDUCATION (Collaborative Teacher K-6 and 6-12)
SUGGESTED COURSE SEQUENCE

First Semester

ED 301	Foundations of Education I	3 semester hours	___
ED 305	Technology & Media in Education	3 semester hours	___
EL 324	Teaching Math in the Primary Grades	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___
SE 315	Introduction to Cognitive and Health Impairments	3 semester hours	___

Second Semester

ED 302	Foundations of Education II	3 semester hours	___
ER 323	Teaching Reading in the Primary Grades	3 semester hours	___
SE 325	Introduction to Learners and Emotional Disabilities	3 semester hours	___
SE 335	Curriculum Development and Adaptation	3 semester hours	___
SE 435	Strat. Ind. w/Severe Disabilities	3 semester hours	___

Third Semester

EL 321	Teaching Language Arts (K-6) **or**		
SC 333	Teaching Reading/Writing in the Content Area (6-12)	3 semester hours	___
ED 322	Basic Principles of ELL Education	3 semester hours	___
SE 402	Assessment for Exceptional Learners	3 semester hours	___
SE 455	Language and Development Strategies for Young Children (K-6) **or**		
SE 415	Transition Planning and Learning Strategies for Adolescents (6-12)	3 semester hours	___
SE 495	Classroom Management & Discipline	3 semester hours	___

Fourth Semester

EL 413	Teaching Reading in the Intermediate Grades.	3 semester hours	___
SE 465	IEPs and Legal Issues	3 semester hours	___
EL 424	Teaching Math in the Intermediate Grades	3 semester hours	___
SE 355	Alt. Instr. Strategies	3 semester hours	___

Fifth Semester

SE 425 Conferencing and Collaborative Techniques 3 semester hours
(Taken at night during Internship - one night per week)
SE 476 Internship for Collaborative Education K-6 **or**
SE 478 Internship for Collaborative Education 6-12 9-12 semester hours ___

Some courses require field experiences. Number of field experience days required each semester vary. For more information regarding field expereince requirements, go to the College of Education website at http://www.athens.edu/college_edu and click the Field Experience link on the left menu.

Courses underlined require admission to the Teacher Education Program.

LICENSURE/CERTIFICATION FOR HIGH SCHOOL (6-12)

The student who wishes to be certified to teach grades 6-12 must successfully complete an approved degree from the College of Arts and Sciences with a Licensure/Certification track from the College of Education. (See the College of Arts & Sciences' section for detailed descriptions of programs.)

Program components for Licensure/Certification track:

1. **Applicable general university requirements**
2. **An academic major from the College of Arts and Sciences**
3. **Licensure/Certification track requirements from the College of Education and appropriate field experience requirements**

Bachelor of Science - Biology Major

(Licensure and Certification Track for Teaching in Grades 6-12)

MAJOR CODE: 26.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours ___
ED 302 Foundations of Education II	3 semester hours ___
ED 305 Technology & Media in Education	3 semester hours ___
SC 331 Classroom Management in Secondary Education	3 semester hours ___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours ___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours ___
PS 334 Adolescent Psychology	3 semester hours ___
SE 301 Introduction to Exceptional Learners	3 semester hours ___
BI 456 Materials/Methods of Teaching Biology in the Middle School/ High School	3 semester hours ___
SC 486 Internship in High School	9 semester hours ___
TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION:	**36 SEMESTER HOURS**
TOTAL HOURS FOR GRADUATION	**128-132 SEMESTER HOURS**

Bachelor of Science - Chemistry Major

(Licensure and Certification Track for Teaching in Grades 6-12)

MAJOR CODE: 40.0501

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours ___
ED 302 Foundations of Education II	3 semester hours ___
ED 305 Technology & Media in Education	3 semester hours ___
SC 331 Classroom Management in Secondary Education	3 semester hours ___
SC 333 Teaching Reading/Writing in the Content Areas	3 semester hours ___
SC 362 Assessment and Evaluation in Secondary Education	3 semester hours ___
PS 334 Adolescent Psychology	3 semester hours ___
SE 301 Introduction to Exceptional Learners	3 semester hours ___
CH 456 Materials and Methods of Teaching Chemistry in Middle School/ High School	3 semester hours ___
SC 486 Internship in High School Education	9 semester hours ___
TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION	**36 SEMESTER HOURS**
TOTAL HOURS FOR GRADUATION	**136 SEMESTER HOURS**

Bachelor of Arts - English Major

(Licensure and Certification Track for Teaching Grades 6-12)

MAJOR CODE: 23.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION IN ENGLISH/LANGUAGE ARTS:**

ED 301	Foundations of Education I	3 semester hours ___
ED 302	Foundations of Education II	3 semester hours ___
ED 305	Technology & Media in Education	3 semester hours ___
SC 331	Classroom Management in Secondary Education	3 semester hours ___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours ___
SC 362	Assessment and Evaluation in Secondary Education	3 semester hours ___
SE 301	Introduction to Exceptional Learners	3 semester hours ___
EH 457	Materials and Methods of Teaching English/Language Arts in Middle School/High School	3 semester hours ___
PS 334	Adolescent Psychology	3 semester hours ___
SC 486	Internship in High School	9 semester hours ___

TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION.....36 SEMESTER HOURS
TOTAL HOURS FOR GRADUATION 131 SEMESTER HOURS

Bachelor of Science - General Science Major

(Licensure and Certification Track for Teaching Grades 6-12)

MAJOR CODE: 30.1801

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION:**

ED 301	Foundations of Education I	3 semester hours ___
ED 302	Foundations of Education II	3 semester hours ___
ED 305	Technology & Media in Education	3 semester hours ___
SC 331	Classroom Management in Secondary Education	3 semester hours ___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours ___
PS 334	Adolescent Psychology	3 semester hours ___
SE 301	Introduction to Exceptional Learners	3 semester hours ___
SC 362	Assessment and Evaluation in Secondary Education	3 semester hours ___
GS 456	Materials and Methods of Teaching General Science in Middle School/High School	3 semester hours ___
SC 486	Internship in High School	9 semester hours ___

TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION: 36 SEMESTER HOURS
TOTAL HOURS FOR GRADUATION.....139-140 SEMESTER HOURS

Bachelor of Arts - History Major

(Licensure and Certification Track for Grades 6-12)

MAJOR CODE: 54.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION:**

ED 301	Foundations of Education I	3 semester hours	___
ED 302	Foundations of Education II	3 semester hours	___
ED 305	Technology & Media in Education	3 semester hours	___
SC 331	Classroom Management in Secondary Education	3 semester hours	___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours	___
SC 362	Assessment and Evaluation in Secondary Education	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___
PS 334	Adolescent Psychology	3 semester hours	___
HY 302	Alabama History	3 semester hours	___
HY 450	Materials and Methods of Teaching History in Middle School/High School	3 semester hours	___
SC 486	Internship in High School	9 semester hours	___

TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION: 39 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION: 134 SEMESTER HOURS

Bachelor of Science - Mathematics Major (Track 2)

(Licensure and Certification Track for Grades 6-12)

MAJOR CODE: 27.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION:**

ED 301	Foundations of Education I	3 semester hours	___
ED 302	Foundations of Education II	3 semester hours	___
ED 305	Technology & Media in Education.	3 semester hours	___
SC 331	Classroom Management in Secondary Education	3 semester hours	___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours	___
SE 301	Introduction to Exceptional Learners	3 semester hours	___
PS 334	Adolescent Psychology	3 semester hours	___
SC 362	Assessment and Evaluation in Secondary Education	3 semester hours	___
MA454	Materials and Methods of Teaching Mathematics in Middle School/ High School	3 semester hours	___
SC 486	Internship in High School.	9 semester hours	___

TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION: 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 129-133 SEMESTER HOURS

Bachelor of Science - Social Science Major

(Licensure and Certification Track for Teaching Grades 6-12)

MAJOR CODE: 45.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. Please see your advisor.)

Courses underlined require admission to the Teacher Education Program.

1. **COURSES FOR CERTIFICATION:**

ED 301	Foundations of Education I	3 semester hours ___
ED 302	Foundations of Education II	3 semester hours ___
ED 305	Technology & Media in Education	3 semester hours ___
SC 331	Classroom Management in Secondary Education	3 semester hours ___
SC 333	Teaching Reading/Writing in the Content Areas	3 semester hours ___
SC 362	Assessment and Evaluation in Secondary Education	3 semester hours ___
PS 334	Adolescent Psychology	3 semester hours ___
SE 301	Introduction to Exceptional Learners	3 semester hours ___
SS 450	Materials and Methods of Teaching History in the Middle School/ High School	3 semester hours ___
SC 486	Internship in High School	9 semester hours ___

TOTAL REQUIREMENTS FOR LICENSURE/CERTIFICATION: 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 137 SEMESTER HOURS

COURSE DESCRIPTIONS

Accounting (AC) Courses

AC 300 Fundamentals of Accounting. 3 Semester Hours. *This course is designed for non-accounting majors only.*
A survey of accounting concepts and the use of accounting information in financial and managerial decisions.

AC 302 Management Information Systems. 3 Semester H+ours. (Also listed as MG 302.) (Lab Fee.) (LiveText required.)
Prerequisite: Windows applications course (CIS 146). An examination of the role of information systems in organizations and how they relate to the objectives and structure of an orgnaization. Emphasis is given to providing a broad overview of the information system management function.

AC 303 Management Decision Support Systems. 3 Semester Hours. (Lab fee.) (Also listed as MG 303.)
Prerequisite: Windows applications course (CIS 146). An analysis of the nature of the decision making process and an examination of support systems. Instruction will emphasize an advanced application of spreadsheet and database management software.

AC312 Law for Accountants. 3 Semester Hours. (Formerly referred to as GBA 312). ***Prerequisite: Legal Environment (BUS 263).***
A study of law subjects the accountant encounters including contracts, the UCC, business organizations, and accountant liability.

AC 321 Intermediate Accounting I. 3 Semester Hours. (Lab fee.) ***Prerequisite: Principles of Accounting II.***
A survey of the financial reporting process, detailed study of financial statements, and an analysis of generally accepted accounting principles.

AC 322 Intermediate Accounting II. 3 Semester Hours. (Lab fee.) ***Prerequisite: AC 321.***
An in-depth study of accounting theory applicable to the major asset categories of a business entity.

AC 323 Intermediate Accounting III. 3 Semester Hours (Lab fee.) ***Prerequisite: AC 322.***
A review of the application of accounting theory to liability and stockholders equity balance sheet categories, culminating with a study of special purpose financial statements.

AC 325 Accounting Information Systems. 3 Semester Hours. (Lab fee.) ***Prerequisite: Principles of Accounting II.***
Fundamentals of information systems technology, techniques, and capabilities, particularly with respect to the use of accounting information in a computer environment.

AC 361 Federal Tax Accounting I. 3 Semester Hours. (Lab fee.) ***Prerequisite: Principles of Accounting II.***
An overview of federal tax laws and regulations applicable to individuals and sole proprietors.

AC 362 Federal Tax Accounting II. 3 Semester Hours. (Lab fee.) ***Prerequisite: AC 361.***
The application of the federal income tax law as it applies to partnerships and corporations, with emphasis on the differences which exist between financial and tax accounting.

AC 371 Managerial Accounting. 3 Semester Hours. (Lab fee.) ***Prerequisite: Principles of Accounting or AC 300.***
This course is designed for non-accounting majors only. An introduction to the preparation and interpretation of cost accounting data to be used by management in the twin entrepreneurial functions of planning and control. Job order, process, and standard cost systems will be studied in depth.

AC 401 Auditing. 3 Semester Hours. (Lab fee.) ***Prerequisite: AC 302, AC 303, AC 322.***
Auditing theory and practice, with emphasis given to the function of the audit in the certification of financial statements by an independent auditor.

AC 431 Advanced Accounting. 3 Semester Hours. (Lab fee.) ***Prerequisite: AC 323.***
A study of advanced accounting concepts including partnerships, foreign currency transaction, international accounting, estates and trusts, bankruptcy, and related topics.

AC 435 Governmental Accounting. 3 Semester Hours. (Lab fee.) ***Prerequisite:*** AC 322.
An introduction to fund and budgetary accounting for government and not-for-profit organizations in education, health care, and social welfare agencies.

AC 441 Special Topics in Accounting. 3 Semester Hours. (Lab fee.) To be offered on occasion of student demand or need.

AC 442 Advanced Auditing and Fraud Examination. 3 Semester Hours. (Lab fee.) ***Prerequisite: AC 322 and AC 401.***
An advanced study of auditing theory and practice.

AC 460 Directed Study/Research in Accounting. 3 Semester Hours.
A course designed to allow students an opportunity to perform research/directed studies in accounting. Offered at the discretion of the professor with approval of the College Dean.

AC 471 Cost Accounting. 3 Semester Hours. (Lab fee.) ***Prerequisite: AC 321.***
Cost data analysis and accounting controls in planning and controlling operations and in making special decisions.

AC 481 Financial Accounting Theory. 3 Semester Hours. (Lab Fee.) ***Prerequisite: AC 323.***
An intensive study of recent developments, research in literature in accounting theory promulgated by the various professionals and accounting associations and related financial organizations.

Acquisition and Contract Management (ACM) Courses

ACM 353 Project Management. 3 Semester Hours. (Lab Fee) (Also listed as MG 353)
An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.

ACM 392 Orientation to Acquisition and Contract Management. 2 Semester Hours.
An orientation for non-practitioners in the federal acquisitions and contracting community. This course is designed for students who have limited to no experience in the field. This will provide an overview of the basics and terminology associated with acquisition program management, ethical issues, an understanding of the issues relative to the mission and strategic planning, and an overview of expectations for future course work.

ACM 393 Advanced Orientation to Acquisition and Contract Mgt. 2 Semester Sours.
An orientation for practitioners in the federal acquisitions and contracting community. This course is designed for students who have intermediate to extensive experience in the field. The course will be taught as a workshop to provide an overview of what may be expected in the program. Comprehensive exercises will be used. An emphasis will be placed on total quality management, ethics, and presentation.

ACM 394 Introduction to Acquisition and Contract Management. 3 Semester Hours (Also listed as CM 394)
An introduction to that aspect of management science concerned with federal contracting.

ACM 395 Acquisition and Contract Management Pricing. 3 Semester Hours. (Also listed as CM 394)
An examination of the role of the government contracting officer in the acquisition process. Emphasis is given to considering pricing practices and theories and to assessing the government's procedures and methods of evaluation of pricing and costing activity.

ACM 396 Acquisition and Contract Management Administration. 3 Semester Hours. (Also listed as CM 396)
An examination of the management of government contracts in the post-award phase. The content provides insight into the variety of administrative matters that arise during the life of a contract. Emphasis is given to a consideration of the rights and responsibilities of the government and contractor.

ACM 397 Acquisition and Contract Management Negotiations. 3 Semester Hours. (Also listed as CM 397)
Prerequisite: ACM 394. An examination of the concepts and techniques of negotiation. Topics covered include strategies and tactics of contract negotiation, preparation for sound negotiation, organization and operation of a procurement team, the relative positions of strength required for successful negotiation, and limitations as imposed by law. Students will participate in mock negotiations using case studies.

ACM 398 Government Contract Law. 3 Semester Hours. (Also listed as CM 398)
Prerequisite: ACM 394, ACM 395, ACM 396. Detailed examination of the FAR to include recent interpretations of government contract law.

ACM 399 Issues in Acquisition and Contract Management. 3 Semester Hours.
This course provides an opportunity to discuss current issues in acquisition management with a focus on emerging topics and problems. The course will also concentrate on current theories and practices and changes that may occur to prepare the student for changes that may be realistic in the acquisitions community.

ACM 400 Advanced Acquisition and Contract Research/Project. 3 Semester Hours.
Prerequisites: ACM 394, ACM 395, ACM 396, ACM 397, ACM 398. Advanced studies of the acquisition and contract management function within the DOD Integrated Defense Acquisition, Technology and Logistics Life Cycle Management Framework. The study consists of a series of individual and group research projects which build upon material presented within the ACM curriculum.

ACM 461 Internship in Contract Management. 1 Semester Hour.
Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures. The internship iN the field of Acquisition and Contract Management is designed to provide the student with practical work experience leading to a potential career-field in business. At least 50 hours of work-based experience is required.

ACM 462 Internship in Contract Management. 2 Semester Hours.
Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures. The internship iN the field of Acquisition and Contract Management is designed to provide the student with practical work experience leading to a potential career-field in business. At least 100 hours of work-based experience is required.

ACM 463 Internship in Contract Management. 3 Semester Hours.
Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures. The internship iN the field of Acquisition and Contract Management is designed to provide the student with practical work experience leading to a potential career-field in business. At least 150 hours of work-based experience is required.

Art (AR) Courses

AR 301 Painting. 3 Semester Hours. (Lab fee.)
Oil painting theory and techniques and a study of the history of painting. Museum visits and critiques will be included.

AR 310 Fine Arts Connection. 3 Semester Hours. (Lab fee.) (Education or Art Majors Only.) (Former titles AR 309 and MU 451.) An integrated fine arts course that assists students in acquiring the knowledge to use the visual arts, music, and creative movement in developmentally appropriate ways in regular classroom instruction.

AR 311 Landscape Painting and Drawing. 3 Semester Hours. ***Prerequisite: AR 301 or equivalent.***
The environment as a subject for drawing and painting in a variety of media. Direct study from nature.

AR 312 Figure Drawing. 3 Semester Hours. (Lab fee.)
Emphasis upon the human figure.

AR 313 Portrait Drawing and Painting. 3 Semester Hours. (Lab fee.)
Students will use a variety of media to develop skills in portraiture..

AR 314 Topics in Watercolor. 3 Semester Hours.
Students will use transparent and opaque water color techniques and a variety of subject matter to become more proficient as painters.

AR 315 Topics in Ceramics. 3 Semester Hours. (Lab fee.)
An introduction to basic ceramic techniques with emphasis on hand-constructed ceramics. The course will include a study of the history of ceramics from prehistory to modern times.

AR 317 Ceramic Sculpture. 3 Semester Hours. (Lab fee.)
An exploration of sculptural media, particularly clay and terra cotta.

AR 321 Set Design. 3 Semester Hours. (Lab fee.) (Also listed as EH 321.)
This course will cover the designing of a stage set from construction to mock-up, construction, and implementation.

AR 330 Topics in Photography. 3 Semester Hours. (Lab fee.) (Note: Course requires the student to purchase supplies in addition to the lab fee.) Students will need a SLR 35mm camera with adjustable/stop, shutter speed and focus and a working internal light meter. An exploration of black and white photography with emphasis upon creativity and darkroom activities. The course will include criticism and aesthetics.

AR 331 Photography II. 3 Semester Hours. (Lab fee.) (Note: Course requires the student to purchase supplies in addition to the lab fee.) ***Prerequisite: AR 330 or photography experience and consent of instructor.*** Advanced theory and practice in black and white and digital photography.

AR 340 Medical and Biological Visualization. 3 Semester Hours. (Lab fee.) (Also listed as BI 340.)
This course helps students develop perceptual motor ability (the ability to deal with objects through visualization). Perceptual motor ability has long been an indicator of success in fields like dentistry, medicine, architecture, art and 3-D computerization. The course will teach the visualization of anatomical and biological structures, to survey the common components of graduate courses in medical and biological illustration for the purpose of preparing pre-health and/or art undergraduates to express thinking through diagrams, sculpture, illustrations and computer graphics.

AR 342 Art of the Ancient Americas. 3 Semester Hours.
Focusing on the period before the European conquest, this course explores the art and archaeological record of ~~South~~ the Americas' aboriginal cultures and societies in sculpture, architecture, ceramics and paintings. The goal is to understand the aesthetics, philosophy and social historical and religious contexts of the visual arts and speak to the function of these artworks as ideological statements.

AR 343 Renaissance Art History. 3 Semester Hours.
The history of art from the Early Renaissance through the first part of the 19th century including the Renaissance, Mannerism, Baroque.

AR 401 Advanced Figure Drawing. 3 Semester Hours. (Lab fee.) ***Prerequisite: AR 312.***
A continuation of Figure Drawing, building on the techniques learned in AR 312 to create a finished product.

AR 402 Portfolio, Exhibition and Art Research. 3 Semester Hours. ***Prerequisite: Graduating Senior Art Major.***
To familiarize the students with the proper utilization of the art reference books, abstracts, monographs, and indices for the purpose of college writing and research in the content area of art. Students will compile a professional portfolio and hang their senior exhibition.

AR 404 Art Studio in Photography. 3 Semester Hours. (Lab fee.) ***Prerequisite: Art major or minor or permission of instructor.***
This course is designed to enable the student to produce works in photography making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.

AR 406 Topics in Adobe Photoshop. 3 Semester Hours. (Lab fee.) ***Prerequisite: Art major or minor or permission of instructor.***
This course is designed to enable the student to produce works in graphic art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.

AR 408 Printmaking. 3 Semester Hours. (Lab fee.)
Development of techniques in various print media.

AR 410 Adobe illustrator Design. 3 Semester Hours. (Lab fee.)
Concepts will be covered from visualizations through finished projects. Problems in composition in commercial as well as fine arts projects will be assigned. This course is designed to produce a portfolio of finished projects.

AR 418 Art Studio. 3 Semester Hours. ***Prerequisite: Art major or minor or permission of instructor.***
Designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. This course involves a significant amount of criticism of historical and contemporary art works. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.

AR 420 Art Studio. 3 Semester Hours. ***Prerequisite: Art major or minor or permission of instructor.***
Designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.

AR 421 Sacred Art in History. 3 Semester Hours. (Also listed as RE 421.)
This course explores the relationships between art and religion bringing theories of religious and aesthetic experience together. It gives an overview of the history of sacred art worldwide and it introduces students to religious functions of contemporary art. The course concentrates on the ways in which sacred and spiritual beliefs influence the creation of works of art using various cultures from around the world and throughout history. Students learn to understand aesthetic experiences with critical reflection and explain it to others.

AR 423 History of Modern Art. 3 Semester Hours. The post-impressionist period through 1945.

AR 424 Late Modern Art History. 3 Semester Hours. 1945 to present.

AR 426 Critical Theories of Today's Art. 3 Semester Hours.
Critical theory looks deeper in to the given art object. It is a way of thinking about and looking at and even making art that is not simply affirmative, but goes beyond generalities to the reception and interpretation of art with regard to context. Context is the economic, religious, institutionalized, political, educational and personal practices of any particular culture. Issues of how are the arts responding to science and technology, new trends in art and the socio-cultural issues demanding art attention today will be discussed. This course will focus on art being made today in a world-wide culture context.

AR 430 Advanced Drawing and Design. 3 Semester Hours. Advanced concepts in drawing and composition.

AR 442 Special Topics in Art. 3 Semester Hours. To be offered on occasion of student demand or need.

AR 450 Internship in Art. 3 Semester Hours.
An internship program in which the student will receive training with a commercial enterprise relating to his or her area of experience.

AR 460 Special Workshop. 3 Semester Hours. Arts and Crafts.

AR 461 Special Workshop in Sculpture. 3 Semester Hours.
Special workshop in sculpture. Advanced exploration in various 3D materials and methods with an emphasis on design and craftsmanship.

Biology (BI) Courses

BI 300 Microbes and You. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 300L. Prerequisite: Principles of Biology I and II, or consent of instructor.*** An introductory microbiology course which examines the major groups of bacteria and instills awareness of the importance of microbes to the Earth's ecology.

BI 300L Microbes and You Lab. 1 Semester Hour. ***Corequisite: BI 300.***

BI 301 Cell Structure and Function. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 301L. Prerequisite: Principles of Biology I and II, Introductory Chemistry with lab, or CH 301, or CH 303, or equivalent or consent of instructor.***
Considers molecular organization of basic cellular components, including membranes, nucleic acids, and proteins, and how these are assembled into organelles and other cellular structures. Explores mechanisms of enzyme and organelle function and coordination.

BI 301L Cell Structure and Function Lab. 1 Semester Hour. ***Corequisite: BI 301.***

BI 302 Genetics. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 302L. Prerequisite: Principles of Biology I and II, Introductory Chemistry with lab, or CH 301, or CH 303, or equivalent, or consent of instructor.***
Up-to-date treatment emphasizing structure, function, and regulation of genes, recombinant DNA techniques and applications, principles and patterns of Mendelian inheritance, and population genetics.

BI 302L Genetics Lab. 1 Semester Hour. ***Corequisite: BI 302.***

BI 303 General Ecology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 303L. Prerequisite: Principles of Biology I and II, or Plant Biology and Animal Biology, or consent of instructor.***
Study of extant organisms and how they interact with one another and with their nonliving environments. Interactions investigated at individual, population, community, and ecosystem levels. Qualitative, quantitative, and theoretical aspects of ecology discussed.

BI 303L General Ecology Lab. 1 Semester Hour. ***Corequisite: BI 303.***

BI 311 Biodiversity of North Alabama. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 311L.***
This course is designed as an introduction to the diversity of habitats and organisms found in northern Alabama. A broad variety of topics relating to the natural history and adaptations of the various organisms inhabiting this region will be discussed. Field trips required.

BI 311L Biodiversity of North Alabama Lab. 1 Semester Hour. ***Corequisite: BI 311.*** Lab runs concurrently with lecture.

BI 321 Conservation Biology. 3 Semester Hours.
A synthetic discipline addressing loss of biological diversity throughout the world, incorporating population biology, community ecology, evolution, genetics, taxonomy, paleontology, zoo management, wildlife ecology, agriculture, forestry, and elements of history, philosophy, economics, anthropology, and public policy.

BI 340 Medical and Biological Visualization. 3 Semester Hours. (Lab fee.) (Also listed as AR 340.)
This course helps students develop perceptual motor ability (the ability to deal with objects through visualization). Perceptual motor ability has long been an indicator of success in fields like dentistry, medicine, architecture, art and 3-D computerization. The course will teach the visualization of anatomical and biological structures, to survey the common components of graduate courses in medical and biological illustration for the purpose of preparing pre-health and/or art undergraduates to express thinking through diagrams, sculpture, illustrations and computer graphics.

BI 342 Economic Botany. 3 Semester Hours.
Presents important role plants have played in development of civilizations and cultures, past and present. Emphasis placed on origins of agriculture and domestication of plants, on development of early irrigation and rainfall agriculture civilizations, on importance of plants in religion, medicine, commerce, politics, and war, and on future of plants in relation to man.

BI 342L Economic Botany Lab. 1 Semester Hour. ***Corequisite: BI 342.***

BI 361 Human Structure and Function. 3 Semester Hours.
This course is designed to be a one-semester study of human anatomy and physiology. Lecture and laboratory topics include human cells, tissues, skin and integument, skeletal, nervous, muscular, cardiovascular, respiratory, digestive, endocrine and reproductive systems, and fluid and electrolyte balance.

BI 361L Human Structure and Function Lab. 1 Semester Hours. ***Corequisite: BI 361.***

BI 409 Biochemistry. 3 Semester Hours. (Also listed as CH 409.) ***Prerequisite: CH 305 or CH 311.***
Study of proteins, carbohydrates, lipids, and other important biochemical compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations are included.

BI 411 Invertebrate Systematics and Morphology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 411L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.***
Inclusive and in-depth survey of invertebrate animals covering all phyla from protozoa through echinoderms. Emphasis on morphological structures characterizing each phylum, on systematic approach taken in each phylum, and on phylogenetic relationships among the various phyla.

BI 411L Invertebrate Systematics and Morphology Lab. 1 Semester Hour. ***Corequisite: BI 411.***

BI 413 Vertebrate Zoology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 413L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.***
Presents principles of vertebrate systematic biology, factors governing distribution of vertebrates, methods used by vertebrates to solve environmental problems, reproductive physiology and behavior, and population dynamics. Laboratory emphasis on identification of local vertebrates and statistical interpretation of population and community data.

BI 413L Vertebrate Zoology Lab. 1 Semester Hour. ***Corequisite: BI 413.***

BI 414 Comparative Vertebrate Anatomy. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 414L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.***
Presents functional and comparative morphology of chordates with additional emphasis on development and evolution. Lab emphasis on structural-functional relationships.

BI 414L Comparative Vertebrate Anatomy Lab. 1 Semester Hour. ***Corequisite: BI 414.***

BI 415 Microbial Toxins and Human Health. 3 Semester Hours. ***Prerequisites: Principles of Biology I and II and an introductory course in microbiology or consent of instructor.***
This advanced course examines the roles of microbes as human pathogens and as a source of contamination in the food industry.

BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology. 4 Semester Hours. (Lab fee.) ***Prerequisite: Principles of Biology II, and either BI 303 or BI 413, or consent of instructor.***
A course in systematic and ecological ichthyology and herpetology. Introduces diversity of fishes, amphibians, and reptiles, position and content of major groups, their classification, relationships, and basic structure, with emphasis on living representatives, particularly those of the Tennessee Valley region of North Alabama.

BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy. 4 Semester Hours. (Lab fee.) ***Prerequisite: Principles of Biology II, and either BI 303 or BI 413, or consent of instructor.***
A course in systematic and ecological ornithology and mammalogy. Introduces diversity of birds and mammals, position and content of major groups, their classification, relationships, and basic structure, with emphasis on living representatives, particularly those of the Tennessee Valley region in North Alabama.

BI 423 Histology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 423L Prerequisites: Principles of Biology I and II.***
This course studies the groups of specialized cells called tissues. Tissue organization is examined at all levels, from the whole organ to the molecular components of cells. Histological techniques include tissue culture, fixing and staining, microscopy, and biochemistry.

BI 423L Histology Lab. 1 Semester Hour. ***Corequisite: BI 423.***

BI 424 Animal Physiology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 424L. Prerequisite: Principles of Biology I and II, or Animal Biology, and Introductory Chemistry with lab, or CH 301, or CH 303, or equivalent, or consent of instructor.***
Examines mechanisms of various physiological processes in animals at molecular and cellular levels, including muscle and nerve action, signal transduction via hormones, operation of immune system, AIDS, tumor formation, and development of cancer.

BI 424L Animal Physiology Lab. 1 Semester Hour. ***Corequisite: BI 424.***

BI 425 Developmental Biology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 425L. Prerequisites: Principles of Biology I and II.***
This course considers the period of growth and differentiation from fertilization until hatching or birth of an animal or, in plants, germination. Vertebrate and human models will be emphasized. Concepts explored in terms of cell biology, genetics, and comparative vertebrate anatomy.

BI 425L Developmental Biology Lab. 1 Semester Hour. ***Corequisite: BI 425.***

BI 427 Parasitology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 427L. Prerequisites: Principles of Biology I and II.***
Study of the relationships between parasites and their hosts, with emphasis on vertegrate and human models. Concepts discussed in terms of systematics, molecular biology, ecology, and evolutionary biology.

BI 427L Parasitology Lab. 1 Semester Hour. ***Corequisite: BI 427.***

BI 429 Immunology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 429L. Prerequisites: Principles of Biology I and II.***
This course examines the evolution, organization, and function of immune systems, with an emphasis on vertebrate and human models. Concepts discussed in terms of cell biology, genetics, and evolutionary biology.

BI 429L Immunology Lab. 1 Semester Hour. ***Corequisite: BI 429.***

BI 431 Plant Systematics and Morphology. 3 Semester Hours. (Lab fee.) ***Corequisite: BI 431L. Prerequisite: Principles of Biology I and II, or Plant Biology, or consent of instructor.***
In-depth survey of non-vascular and vascular plants. Emphasis on morphological structures characterizing each division, subdivision, class, and subclass of plants, on systematic approach taken at each level of taxonomic hierarchy, and on phylogenetic relationships among the various groups of plants.

BI 431L Plant Systematics and Morphology Lab. 1 Semester Hour. ***Corequisite: BI 431.***

BI 441 Special Topics in Biology. 1 Semester Hour. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand/need.

BI 442 Special Topics in Biology. 2 Semester Hours. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand/need.

BI 443 Special Topics in Biology. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. (Course may be used to award credit to SIM in-service teachers who meet the established criteria.)

BI 444 Special Topics in Biology. 4 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

BI 450 Research Seminar. 1 Semester Hour. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. Affords biology major opportunity to develop and present results of laboratory and/or field research.

BI 451 Marine Biology. 3 Semester Hours. ***Prerequisite: Principles of Biology I and II*** *Corequisite: BI 451L*
This course is an introduction to salt water and salt marsh environments. This course is offered for students to obtain first hand field experience in marine ecosystems especially on the Gulf Coast. Class lecture content includes the microbial, and planktonic life forms, marine invertebrates, and marine vertebrates around the world, and specifically on the Gulf Coast. Laboratory and field exercises will include sampling, collecting, preserving and identification techniques for specimens on the Gulf Coast using various dichotomous keys for the species observed and collected.

BI 451L Marine Biology Lab. 1 Semester Hour. ***Corequisite: BI 451.***

BI 452 Marine Ecology. 3 Semester Hours. ***Prerequisite: Principles of Biology I and II*** *Corequisite: BI 452L.*
This course is an introduction to salt water and salt marsh ecology. This course is offered for students to obtain first hand field experience in marine ecosystems especially on the Gulf Coast. Class content includes a study of several types of marine ecosystems including the rocky shore community, the soft-bottom intertidal community, estuaries, the continental shelf, the ecology of coral reefs, organisms that build coral reefs, the epipelagic and the deep sea communities. Laboratory and field exercises will include observation of the salt marsh community, the beach and dune community, coastal forests, and the organisms that live in each of these marine environments.

BI 452L Marine Ecology Lab. 1 Semester Hour. ***Corequisite: BI 452.***

BI 453 Plant Ecology. 3 Semester Hours. ***Prerequisite: Principles of Biology I and II*** *Corequisite: BI 453L.*
This course is designed to provide the student with information about types of plant communities and the various forest types in the Southeastern United States. Lab and field exercises will include field trips to Wheeler National Wildlife Refuge and/or other suitable forest types, and to the Great Smoky Mountains National Park in East Tennessee, for forest evaluation and treatment of data.

BI 453L Plant Ecology. 1 Semester Hour. ***Corequisite: BI 453.***

BI 456 Materials and Methods of Teaching Biology in the Middle School/High School. 3 Semester Hours. (Also listed as CH/GS 456.) ***Prerequisite: Full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship.*** Senior methods portfolio must be submitted during this class. Field experience required.
This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities and to select and use appropriate materials and equipment in the field of biology. Students will actively participate in demonstration and modeling of strategies and techniques. Emphasis will be placed on the integration of laboratory activities into the curriculum. This will include the use of technology, safety instructions, treatment of hazardous waste, teaching resources, student textbooks, and the Alabama Course of Study. Does not satisfy requirements for biology major, minor, or general studies.

BI 461 **Directed Study/Research in Biology. 1 Semester Hour.** ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

BI 462 **Directed Study/Research in Biology. 2 Semester Hours.** ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

BI 463 **Directed Study/Research in Biology. 3 Semester Hours.** ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

BI 470 **Biology Capstone. 1 Semester Hour.**
This capstone course will provide students with the knowledge and skills to formulate a thesis, do research on the thesis topic, write the thesis, and orally present the findings to the class.

Career and Technical (CE) Education Courses

CE 302 **History and Principles of Career/Technical Education. 3 Semester Hours.**
A course designed to relate the development of career and technical education from historic apprenticeships to contemporary career and technical programs. Philosophies and principles of career and technical education are also reviewed.

CE 305 **Meeting the Needs of Exceptional Career/Technical Education Students. 3 Semester Hours.**
The purpose of this course is to assist students in understanding the unique needs of special needs students who are enrolled in career/technical education courses. Laws governing special needs students, categories of exceptional students, referral and placement procedures, services available, curriculum, instructional, and facility modifications and adaptations, and career opportunities are concepts addressed in the course. The focus of the course will be on the provision of appropriate educational services to students with special needs with special attention given to strategies and practices for addressing the needs of the special needs student in the regular classroom.

CE 432 **Teaching Career/Technical Education. 3 Semester Hours.**
A review of teaching strategies, procedures, audiovisual lab, and concrete experiences which may be used to develop specific performance objectives for instruction for on sight course.

CE 433 **Learning Resources and Technology in Career/Technical Education. 3 Semester Hours.**
Includes teaching devices and methods of application, desirable teaching facilities, motivation and development of skill, reasoning qualities, lesson planning and facilitating online learning.

CE 434 **Course Development and Evaluation in Career/Technical Education. 3 Semester Hours.**
A course designed to provide knowledge of the problems, techniques, and procedures in the selection and organization of subject matter for instructional purposes. Each student is required to develop a two-year career/technical curriculum suitable for implementation in career/technical schools.

CE 435 **Industrial Health and Shop Safety. 3 Semester Hours.**
Identifies potential safety hazards as they pertain to occupational education classes, labs, and industrial settings. Accident prevention is addressed. OSHA is introduced and discussed as applicable in the education/industry setting.

CE 436 **Career/Technical Information Guidance. 3 Semester Hours.**
Introductory course in career/technical guidance to provide principles and techniques necessary to organize and operate career guidance services in the public school.

CE 438 **Classroom/Laboratory Management. 3 Semester Hours.**
Provides a knowledge of the problems, techniques, and procedures used to maintain and manage career-oriented classroom and labs for instructional purposes or for business, industry, and manufacturing. Deals with the organization, management, and care of career-oriented classrooms and labs. Developing student leadership skills is addressed.

CE 439 **Career/Technical Student Youth Organizations. 3 Semester Hours.**
Provides the procedures for establishing, implementing and operating student organization and advisory committees. ASU students participate in state skills competition events.

CE 440 **Testing and Evaluation in Career/Technical Education. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program.*** A course designed to review the techniques and methods used to measure and interpret student achievement.

CE 441 **Special Topics in Career/Technical Education. 1 Semester Hour.** To be offered on occasion of student demand or need.

CE 442 **Special Topics in Career/Technical Education. 2 Semester Hours.** To be offered on occasion of student demand or need.

CE 445 **Functions of the Coordinator. 3 Semester Hours.**
Prepares the student to organize and administer the various programs in career/technical education that are of a cooperative nature. Field experience is required.

CE 446 **Individualizing Instruction in the Career and Technical Programs. 3 Semester Hours.**
A study of instructional strategies and procedures for meeting the individual needs of students.

CE 450 **Practicum in Advanced Technical Studies. 3 Semester Hours.** ***Prerequisite: Requires B average in core. May only take one of the following per semester: CE 450, 451, or 452. Must be in-service teacher.***
Individually designed laboratory studies in a variety of state-of-the-art technologies.

CE 451 Practicum in Advanced Technical Studies. 3 Semester Hours. ***Prerequisite: Requires B average in core. May only take one of the following per semester: CE 450, 451, or 452. Must be in-service teacher. Requires permission of the Department Chair.*** Individually designed laboratory studies in a variety of state-of-the-art technologies.

CE 452 Practicum in Advanced Technical Studies. 3 Semester Hours. ***Prerequisite: Requires B average in core. Must be in-service teacher. Requires permission of the Department Chair.***
Individually designed laboratory studies in a variety of state-of-the-art technologies.

CE 459 Advanced Career and Technical Specialty. 3-12 Semester Hours.
This course designates credit that is to he awarded for advanced industrial or educational work experience (nonteaching) in the specialization area. No credit will he granted for work experience which does not exceed in advancement heyond the original level of training. Fee is charged for review.

CE 460 Directed Study/Research Career/Technical Education. 1-9 Semester Hours.
To be offered on occasion of student demand or need. To he taken only during graduating semester with permission of Department Chair.

CE 461 Related Training Career and Technical Education. 3 Semester Hours. (To be taken the semester before graduation.) Courses designed to include attendance at an approved industrial, company-operated school for the purpose of providing the career/technical teacher with advanced related technical training. Courses are open to qualified teachers or individuals preparing to enter this field of teaching. Detail planning for each course will he conducted hy a team of post-secondary trade and industrial teachers from throughout the state, academic deans of technical colleges, presidents of technical colleges, State Department representatives, and the academic personnel of the college. Planning relates to ED 460, also.

CE 469 Career and Technical Specialty. 3-6 Semester Hours. ***Prerequisite: Limited to In-Service Teachers.***
Three semester hours of credit may be awarded for each year of documented vocational specialty teaching experience verified hy the director or supervisor in vocational and technical school. A limit of six semester hours credit is granted. Only three semester hours may he earned for a 12-month period. This teaching experience must have heen supervised and evaluated and may he from an approved military school, industrial and husiness school, proprietary school, or puhlic career/technical school at either the secondary or post-secondary level. Fee is charged for review.

CE 470 Practicum-Supervised Work Experience. 3 Semester Hours. (Lah fee.) ***Requires permission of the Department Chair.***
College/University supervised work experience in a program area work setting. Consult with Department Chair before enrolling.

CE 471 Practicum-Supervised Work Experience. 3 Semester Hours. (Lah fee.) ***Prerequisite: Admission to the Teacher Education Program.*** College/University supervised work experience in a program area work setting.

CE 472 Practicum-Supervised Work Experience. 3 Semester Hours. (Lah fee.)
Prerequisite: Admission to the Teacher Education Program. College/University supervised work experience in a program area work setting.

CE 483 Practicum in Teaching Technical Education. 3 Semester Hours. ***Prerequisite: CE 434. Requires permission of the Department Chair.*** A series of studies designed to expand the current teaching skills of technical suhjects. These courses may not he suhstituted.

CE 484 Practicum in Teaching Technical Education. 3 Semester Hours. ***Prerequisite: CE 432. Requires permission of the Department Chair.*** A series of studies designed to expand the current teaching skills of technical suhjects. These courses may not he substituted.

CE 485 Practicum in Teaching Technical Education. 3 Semester Hours. ***Prerequisite: CE 440. Requires permission of the Department Chair.*** A series of studies designed to expand the current teaching skills of technical subjects. These courses may not he suhstituted.

CE 487 Internship in Technical Education 9 Semester Hours. (Lah Fee.)
A course which provides an opportunity for prospective teachers to ohserve and implement instruction in a technical college setting under the guidance of a cooperating teacher. Participation in the full-school program is required. Consult with advisor two semesters hefore enrolling.

Chemistry (CH) Courses

CH 301 Introductory Chemistry. 3 Semester Hours. (Lah fee.)
Prerequisite: Precalculus Algebra. Basic chemistry for science majors. Emphasis on elementary concepts of atomic theory, thermodynamics, kinetics, acids, hases, and equilihrium. Course will not serve as upper-level chemistry for science majors nor as suhstitute for CH 303.

CH 301L Introductory Chemistry Lab. 1 Semester Hour. ***Corequisite: CH 301.***

CH 302 Introduction to Forensic Science. 3 Semester Hours. (Lab fee.) ***Prerequisite: General Education Science requirements.***
Basic study of investigation methodology, forensic science techniques and procedures, evidence collection and development, and laboratory techniques. May not he used as credit toward a chemistry major or minor.

CH 303 Chemistry I. 3 Semester Hours. (Lah fee.) ***Corequisite: CH 303L. Prerequisite: Precalculus Algebra.***
Study of chemical principles important to student of scientific technologies. Topics include atomic theory, the periodic tahle, thermochemistry, gases, solids, and liquids.

CH 303L Chemistry I Lab. 1 Semester Hour. ***Corequisite: CH 303.***

CH 304 Chemistry II. 2 Semester Hours. (Continuation of CH 303.) ***Prerequisite: General Chemistry I, or CH 303.***
Topics include kinetics, equilihrium, and acids and hases.

CH 305 Chemistry III, Fundamentals of Organic Chemistry. 2 Semester Hours. (Lab fee.) ***Corequisite: CH 305L. Prerequisite: General Chemistry I, II, or CH 303, 304.*** Introduction to organic molecules and their functional groups. Some characteristic reactions also included. Course is not required prerequisite for CH 311 and may be omitted if CH 311, 312 sequence is to be taken.

CH 305L Fundamentals of Organic Chemistry Lab. 1 Semester Hour. ***Corequisite: CH 305.***

CH 311 Organic Chemistry I. 4 Semester Hours. (Lab fee.) ***Corequisite: CH 311L. Prerequisite: General Chemistry I, II, or CH 303, 304.*** Basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions, with emphasis on theory and mechanisms of reaction.

CH 311L Organic Chemistry I Lab. 1 Semester Hour. ***Corequisite: CH 311.***

CH 312 Organic Chemistry II. 4 Semester Hours. (Lab fee.) ***Corequisite: CH 312L. Prerequisite: CH 311.***
Basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions, with emphasis on theory and mechanisms of reaction. Laboratory includes organic qualitative analysis.

CH 312L Organic Chemistry II Lab. 1 Semester Hour. ***Corequisite: CH 312.***

CH 314 Polymer Science. 3 Semester Hours. (Lab fee.) ***Corequisite CH 314L. Prerequisite: CH 305, or 311.***
Study of synthesis, characterization, testing, and reactions of polymers, including step-reaction polymerization, ionic chain reactions, free radical chain polymerization, copolymerization, and inorganic polymers, in addition to effects of additives and fillers.

CH 314L Polymer Science Lab. 1 Semester Hour. ***Corequisite CH 314.) Prerequisite: CH 305, or 311.***

CH 324 Analytical Chemistry. 3 Semester Hours. (Lab fee.) ***Corequisite: CH 324L. Prerequisite: General Chemistry I, II, or CH 303, 304.***
Classical volumetric techniques in chemical analysis, modern methods of chemical separation, and basic instrumentation techniques.

CH 324L Analytical Chemistry Lab. 1 Semester Hour. *Corequisite: CH 324*

CH 330 Environmental Chemistry. 3 Semester Hours. (Lab fee.) (Also listed as GS 330.)
Study of natural chemical processes of Earth and actual and possible effects of humans on natural chemical systems. Environmental problems such as air and water pollution, ozone depletion, and global warming discussed. Also may include introduction to some methods of environmental analysis and pertinent environmental regulations.

CH 409 Biochemistry. 3 Semester Hours. (Also listed as BI 409.) ***Prerequisite: CH 305 or CH 311.*** Study of proteins, carbohydrates, lipids, and other important biochemical compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations included.

CH 410 Instrumental Analysis. 3 Semester Hours. (Lab fee.) ***Corequisite: CH 410L. Prerequisite: CH 324.***
Theoretical application of modern instrumentation to problems in analytical chemistry. Optical, electrochemical, and other instrumentation techniques covered.

CH 410L Instrumental Analysis Lab. 1 Semester Hour. ***Corequisite: CH 420. Prerequisite: CH 324.***
Practical application of modern instrumentation to problems in analytical and environmental chemistry.

CH 420 Intermediate Inorganic Chemistry. 3 Semester Hours. ***Prerequisite: General Chemistry I, II, or CH 303, 304.***
Atomic structure, bonding, trends in the periodic table, and coordination chemistry. Also may include catalysis, group theory, structure and properties of solids or bio-inorganic chemistry.

CH 430 Physical Chemistry I. 4 Semester Hours. (Lab fee.)
Corequisite: CH 430L. Prerequisite: General Chemistry I, II, or CH 303, 304, and MA 304, and PY 302.
Application of laws of physics and mathematics to study of thermodynamics, equilibria, and kinetics.

CH 430L Physical Chemistry I Lab. 1 Semester Hour. ***Corequisite: CH 430.*** Laboratory includes introduction to working with personal computers and spreadsheet programs.

CH 431 Physical Chemistry II. 3 Semester Hours. (Lab fee.) ***Corequisite 431L. Prerequisite: CH 430, 420, or consent of instructor.***
Application of laws of physics and mathematics to study of quantum chemistry, molecular structure, and spectroscopy. Laboratory includes experience with computer programs pertinent to chemistry.

CH 431L Physical Chemistry II Lab. 1 Semester Hour. ***Corequisite: CH 431.***
This lab course serves as the capstone course for the chemistry major. To fulfill requirements for this course, students are required to submit a written project report and make an oral presentation of the report findings.

CH 441 Special Topic in Chemistry. 1 Semester Hour. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

CH 442 Special Topic in Chemistry. 2 Semester Hours. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

CH 443 Special Topic in Chemistry. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. (Course may be used to award credit to SIM in-service teachers who meet the established criteria.)

CH 456 Materials and Methods of Teaching Chemistry in the Middle School/High School. 3 Semester Hours.
(Also listed as BI/GS 456.) ***Prerequisite: Full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship.*** Senior methods portfolio must be submitted during this class. Field experience required. This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities and to select and use appropriate materials and equipment in the field of chemistry. Students will actively participate in demonstration and modeling of strategies and techniques. Emphasis will be placed on the integration of laboratory activities into the curriculum. This will include the use of technology, safety instructions, treatment of hazardous waste, teaching resources, student textbooks, and the Alabama Course of Study. Does not satisfy requirements for chemistry major, minor, or general studies.

CH 461 A Directed Study/Research in Chemistry. 1 Semester Hour. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

CH 462 Directed Study/Research in Chemistry. 2 Semester Hours. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

CH 463 Directed Study/Research in Chemistry. 3 Semester Hours. ***Prerequisite: Consent of instructor.*** To be offered on occasion of student demand or need.

Computer Information Systems Courses (CIS)

CIS 301 Problem Solving With Computers. 3 Semester Hours. (Lab fee.) *Designed for non-computer science, non-CIS majors.* CIS 301 may only be taken for CIS majors as a substitution for the Microcomputer Applications course required.
This course is designed to strengthen student's grounding in common computer terminology and applications. Students with minimal skills will learn to enhance their personal productivity and problem solving skills by applying information technologies to problem situations and by designing and using small information systems for individuals and groups. The course will be conducted through lecture, in-class computing laboratories, and out-of-class assigned problems and projects.

CIS 325 The Digital Enterprise. 3 Semester Hours. (Lab fee.) ***Prerequisites: CIS 146, CIS 301 or equivalent Microsoft Windows applications course.*** This course examines e-business strategy, solution architecture, and their components. These components create the link between organizational strategy and networked information systems, and support the implementation of a rich variety of business models in both national and global contexts. Technology applications that support organizational, managerial and decision support, as well as those that support business changes necessitated by evolution in the digital economy are covered. Other topics include: legal and ethical issues, information privacy, and supply chain management.

CIS 365 Visual Application Development. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 317.***
Course introduces students to programming in visual, event-driven environments. Students learn concepts of visual programming and underlying design principals used in developing applications in visual programming environments. An emphasis will be placed on design of user interfaces, on-line documentation, input, and output components including menus, forms, queries, and reports.

CIS 440 Database Systems. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 317***
In this course, students are introduced to the design, implementation, and management of systems in a database environment. Emphasis will be placed on data models, normalization, and Structured Query Language (SQL). Other topics include: comparison of relational and object oriented models, data warehousing, and data mining.

CIS 450 Human-Computer Interaction. 3 Semester Hours. (Lab fee.) ***Prerequisite: Any course where students learned to create graphical user interfaces or web pages.*** Course covers interaction between modern computer interfaces and system users. Students examine user diversity and its impact on design of user interfaces. Techniques for task analysis, interface prototyping, and methods for using usability tests to evaluate effectiveness of human-computer dialogs are also covered. Emphasis is placed on the integration of human-computer interaction principles into software engineering life cycle. Theories, principles, and guidelines for interface development and testing are learned through design and development of prototypes for various types of user interfaces.

Contract Management (CM) Courses

CM 394 Introduction to Contract Management. 3 Semester Hours. (Also listed as ACM 394)
An introduction to that aspect of management science concerned with federal contracting.

CM 395 Contract Pricing. 3 Semester Hours. (Also listed as ACM 395)
An examination of the role of the government contracting officer in the acquisition process. Emphasis is given to considering pricing practices and theories and to assessing the government's procedures and metbods of evaluating pricing and costing activity.

CM 396 Contraet Administration. 3 Semester Hours. (Also listed as ACM 396)
An examination of the management of government contracts in the post-award phase. The content provides insight into the variety of administrative matters that arise during the life of a contract. Emphasis is given to a consideration of the rights and responsibilities of the government and contractor.

CM 397 Contract Negotiation. 3 Semester Hours. ***Prerequisite: CM 394.*** (Also listed as ACM 397)
An examination of the concepts and techniques of negotiation. Topics covered include strategies and tactics of contract negotiation, preparation for sound negotiation, organization and operation of a procurement team, the relative positions of strength required for successful negotiation, and limitations as imposed by law. In addition to class lectures, the students will participate in mock negotiations using case studies.

CM 398 Contract Law. 3 Semester Hours. (Also listed as ACM 398)
Prerequisite: CM 394, CM 395, CM 396. Detailed examination of the FAR to include recent interpretations of government contract law.

CM 399 Advanced Contract Research/Project. 3 Semester Hours. *Prerequisite: CM 394, CM 395, CM 396, CM 397, CM 398.*
Advanced studies of the contract management function within the DOD Integrated Defense Acquisition, Technology and Logistics Life Cycle Management Framework. The study consists of a series of individual and group research projects which build upon material presented within the contract management curriculum.

CM461 Internship in Contract Management. 1 Semester Hour. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** This internship in the field of contract management is designed to provide the student with practical work experience leading to a potential career-field in business. At least 50 hours of work-based experience is required.

CM 462 Internship in Contract Management. 2 Semester Hours. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** This internship in the field of contract management is designed to provide the student with practical work experience leading to a potential career-field in business. At least 100 hours of work-based experience is required.

CM 463 Internship in Contract Management. 3 Semester Hours. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** This internship in the field of contract management is designed to provide the student with practical work experience leading to a potential career-field in business. At least 150 hours of work-based experience is required.

Computer Networking (CN) Courses

CN 301 Networking Fundamentals. 2 Semester Hours. (Lab fee.) ***Prerequisite: Any two Computer Science classes.***
Introduces the student to underlying concepts of data communication, telecommunications, and networking. Focuses on terminology and technologies in current networking environments. Provides general overview of field of networking as basis for continued study in field.

CN 302 Local Area Networks. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 301.***
Presents the latest concepts of local area network (LAN) technologies. Provides a comprehensive introduction to the concepts, technologies, components, and acronyms inherent in today's local networking environments.

CN 303 Wide Area Networks. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 302.***
Provides conceptual and working knowledge of how LANs communicate over wide area. Introduces telephony and the technology of switched-voice communications. Provides an understanding of how communication channels of public switched-telephone networks are used for data communication and how voice data communication have become integrated.

CN 304 Network Architectures. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 302.***
Outlines three important networking architectures in today's corporate environments: TCP/IP, SNA, and DNA. The major components and functions of each of these architectures are discussed, as well as methods used to connect different architectures. Provides concepts important to the field of Systems integration and conceptual basis for understanding network architecture.

CN 401 Internetworking Devices. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 302.***
Advanced course intended for networking professionals and students who already grasp the general concepts of data communications and networking but would like a more detailed understanding of internetworking. Techniques and components for managing network growth and connecting disparate network architectures will be presented and solutions to internetworking problems will be developed.

CN 402 The Internet. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 302.***
Familiarizes the student with the operation and function of the Internet. Covers the underlying components and protocols that make up the Internet and the services provided. Internet tools will be used to illustrate concepts. Provides concepts necessary to establishing and maintaining Internet connectivity. Tools used to navigate and access information on the Internet will be studied.

CN 403 Network Processes and Protocols. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 304.***
Advanced course intended for networking professional and students who grasp the basic concepts of networking but would like to understand, in more detail, some of the major protocols controlling the flow of information between data communication layers and between cooperating processes on network nodes. Trace and analysis tools will be used to analyze the frames and packets traversing a network.

CN 404 Enterprise Network Design and Management. 2 Semester Hours. (Lab fee.) ***Prerequisite: CN 304.***
Advanced course intended for networking professionals and students who grasp basic concepts of networking but would like to understand methods used to analyze, design, and manage LANs and point-to-point networks. Exercises are geared toward learning techniques used to design and analyze networks.

Cooperative Education (CP) Courses

Prerequisite: These classes are only for students who are actively working members of the Cooperative Education Program. A minimum overall grade point average of 2.5 and prior approval of the Co-op Education Office. Courses must be taken in sequential order.

CP 301 Parallel Co-op Practicum I. 1 Semester Hour. ***Prerequisite: Prior approval of Instructor.*** Co-op Work Experience.
This is the **first in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 302 Parallel Co-op Practicum II. 1 Semester Hour. ***Prerequisite: CP 301.*** Co-op Work Experience.
This is the **second in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 303 Parallel Co-op Practicum III. 1 Semester Hour. ***Prerequisite: CP 302.*** Co-op Work Experience.
This is the **third in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 304 **Parallel Co-op Practicum IV. 1 Semester Hour.** ***Prerequisite: CP 303.*** Co-op Work Experience.
This is the **fourth in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 305 **Parrallel Co-op Practicum V. 1 Semester Hour.** ***Prerequisite: CP 304.*** Co-op Work Experience.
This is the **fifth in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on tbe employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 306 **Parallel Co-op Practicum VI. 1 Semester Hour.** ***Prerequisite: CP 305.*** Co-op Work Experience.
This is the **sixth in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 307 **Parallel Co-op Practicum VII. 1 Semester Hour.** ***Prerequisite: CP 306.*** Co-op Work Experience.
This is the **seventh in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 308 **Parallel Co-op Practicum VIII. 1 Semester Hour.** ***Prerequisite: CP 307.*** Co-op Work Experience.
This is the **eighth in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 401 **Alternating Co-op Practicum I. 2 Semester Hours.** ***Prerequisite: Prior approval of instructor.*** Co-op Work Experience.
This is the **first in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 402 **Alternating Co-op Practium II. 2 Semester Hours.** ***Prerequisite: CP 401.*** Co-op Work Experience.
This is the **second in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 403 **Alternating Co-op Practium II. 2 Semester Hours.** ***Prerequisite: CP 402.*** Co-op Work Experience.
This is the **third in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 404 **Alternating Co-op Practium II. 2 Semester Hours.** ***Prerequisite: CP 403.*** Co-op Work Experience.
This is the **fourth in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation

CP 405 **Alternating Co-op Practium II. 2 Semester Hours.** ***Prerequisite: CP 404.*** Co-op Work Experience.
This is the **fifth in a series** of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

CP 410 **Alternating Co-op Practium II. 2 Semester Hours.** ***Prerequisite: Prior approval of instructor.***
A course wherein the student works a minimum of 20 hours in a job directly related to their academic major. Grade will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to development of a professional career portfolio and class presentation.

Computer Science (CS) Courses

CS 305 **Concepts of Computer Programming. 3 Semester Hours. (Lab fee.)** ***Prerequisites: Any Iutroduction to Couputer course.***
This course is offered for those in-coming students who have not taken programming courses to fulfill their pre-professional requirements and to fulfill the prerequisite for CS 317. Introduces the fundamental techniques of programming as a foundation for more advanced study of computer science. Considerable attention is devoted to developing effective software engineering practice, emphasizing such principles as design, decomposition, encapsulation, procedural abstraction, testing, and software reuse. Topics include standard programming constructs, problem-solving strategies, the concept of an algorithm, and fundamental data structures (strings, arrays, and records) along with an introduction to machine representation, and graphics.

CS 309 Introduction to Digital Logic Design. 3 Semester Hours. (Lab fee.) ***Corequisite: CS 309L, MA 308 or consent of instructor.***
A comprehensive introduction to Boolean Algebra and methods for designing circuits which implement Boolean expressions. Topics include binary numbers and codes, axioms and theorems of Boolean Algebra, standard algebraic forms of Boolean expressions, the use of methods such as Karnaugh Maps and the Quine-McCluskey procedures for simplification of Boolean expression, analysis and design of combinational and sequential circuits, register operations, and introduction to fault tolerance design.

CS 309L Digital Design Lab. 1 Semester Hours. ***Corequisite: CS 309, MA 308, or consent of instructor.***

CS 316 ADA Programming. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 317 or any other programming course.***
Introduction to the basic concepts of the ADA language including conceptual overview and introduction to the design rationale for the ADA programming language. Discussion of terminology, data types and the ADA data typing rules, object declarations and rules of object visibility, functions, and subprograms. A brief discussion of the concepts of data abstraction, packages, and tasks.

CS 317 Computer Science I (C++). 3 Semester Hours. (Lab fee.) ***Prerequisite: Pre-Calculus Algebra and an introductory programming course.*** This is the first course for any new CS or CIS student or minor at ASU. It covers the fundamentals of programming in C++. This course reviews introductory programming and problem-solving techniques and expands upon the following topics: Arithmetic and relational operations; I/O for elementary data types; logic-control constructs for selection and iteration; functions and parameter passing mechanisms. Students are introduced to the concepts and the rationale for object-oriented programming using classes and class functions. This course will also cover the use of arrays, including basic sorting and searching algorithms. Programming assignments focus on the techniques of good programming style and how to design, code, debug, and document programs.

CS 318 Computer Science II (C++). 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 317.***
This is an advanced course in object-oriented computer programming using C++. The focus for this course is on the principles of object-oriented programming, abstraction, and software design. It also provides an introduction to recursion, pointers, and linked lists. Object-oriented design and programming, using classes, operator overloading, member functions and inheritance are emphasized. Students will learn the principle of encapsulation (information hiding) and code reuse. Programming assignments will focus on the techniques of design as a prerequisite of good programming.

CS 340 Introduction to Assembly Language. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 309, 318.***
An introduction to computer architecture at the assembly language level. Methods for representing data in computers, the study of the assembly language of a specific computer. Studies addressing modes, instruction formats, and control structures of a typical assembly language. Introduction to the use of an assembler.

CS 372 Data Structures. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 318.***
Continuation of CS 318 stressing concepts of abstraction, software engineering, analysis of algorithms, and problem solving skills. Introduces lists, linked lists, stacks, queues, and trees, and presents problems and algorithms using these advanced data structures. Explains more efficient searching/sorting algorithms. Students are required to understand of each concept through programming assignments.

CS 380 Programming for the Web. 3 Semester Hours. (Lab fee.) ***Prerequisites: CS 318: Computer Science II***
Course introduces students to developing interactive web pages and client-server computing. Course topics include XHTML, cascading style-sheets, HTML Forms processing, java applets, JavaScript, internet servers, and the perl programming language. These languages allow the programmer to add interactive content to their web pages. Principals of event-driven, user-oriented websites are covered. Emphasis is placed on hands-on design of working web pages and software using a variety of web programming technologies.

CS 403 Data Communications Management. 3 Semester Hours. (Also listed as ISM 403.) (This course may not be taken for advisor approved electives by CS or CN majors and may only be used for non-core electives.) ***Prerequisite: CIS 325.***
This course provides the student with an understanding of the concepts and methods associated with telecommunications and distributed information systems. Students learn the fundamentals of data communications, including network architectures, communicate on protocols, transmission standards and media access control methods.

CS 409 Computer Organization and Architecture. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 309, CS 340, and MA 308.***
A comprehensive study of the architecture of a hypothetical digital computer. The course will present an overview of computer architecture and then a detailed design of each major functional subsystem, including: memory, central processing unit (control unit and arithmetic-logic unit), Input/Output devices, and hardware for the support of the Operating System. Study of the implications of computer architecture for systems programming and Operating System design.

CS 414 Programming Language. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 372 and CS 409.***
This course is an in-depth study of similarities and differences of modern programming languages such as Pascal, FORTRAN, C, Ada, and LISP. Emphasis is on the implementation of basic language features and in the choice of a language most appropriate for a given problem. Programming assignments will require the use of the unique features of various languages.

CS 415 Operating Systems. 3 Semester Hours. (Lab fee.) ***Prerequisite: Any computer networking course.***
This course is an applied introduction to Operating Systems, appropriate for students who are interested in using and understanding computer operating systems and networks. The goal is to learn why operating systems are needed and what, at a functional level, they do. The course approaches these materials from a perspective to include experienced users who may or may not know how to program. Concepts covered include: Operating System Fundamentals, User Interfaces, File Systems, Resource Management (memory, multiprogramming, peripherals), Client/Server Information Systems. Modern commercial operating systems as well as supporting components are studied including: Microsoft Windows XP, Unix/Linux, and Macintosh OS X, as well as Client/Server Information Systems, Middleware, and Network Services.

CS 417 Object Oriented Applications. 3 Semester Hours. (Lab fee.) ***Corequisite: CS 372.***
Advanced topics in C++ programming including programming with the .NET framework, GUI event-driven programming, reinforcement of object-oriented programming fundamentals, and designing code using the Standard Template Library.

CS 418 Advanced Object Oriented Applications. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 318.***
This course will cover advanced object-oriented and event-driven programming using modern programming languages such as Java. Materials covered will include implementation of inheritance, techniques to achieve encapsulation and improve code reusability, using UML as modeling language for program design, GUI development, event handling, and multithreading programming. Students will be required to design, develop and write advanced working applications.

CS 423 Computer Graphics. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 318 and MA 308.***
An introduction to the basic concepts and tools of computer graphics. Discussion of graphic devices and the use of software to control them. Review of coordinate systems, vectors and matrix algebra, and transformations on pictures. Basics of drawing curves and elementary geometric figures. Windowing and clipping. Introduction to three dimensional graphics.

CS 430 Software Ethics and Professionalism. 3 Semester Hours. ***Prerequisites: Successful completion of 12 semester hours of 300-400 level Computer Science courses at Athens State.*** The ethics and professionalism course addresses ethical, professional, social and team issues inherent in software development. Interaction with software development team members, clients, system users, and others is covered. Written and oral communications documents, standards and sensitivity issues are discussed. Confidentiality, privacy, copyrights, and harassment are just a few of the topics explored.

CS 441 Special Topic in Computer Science. 1 Semester Hour. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.

CS 442 Special Topic in Computer Science. 2 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.

CS 443 Special Topic in Computer Science. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.

CS 451 Software Engineering. 3 Semester Hours. (Lab fee.)
Corequisite: CS 417. Prerequisite: CS 372; CIS majors also must complete CIS 365, 440 and 450. The course will familiarize the student with the entire software life cycle, spanning from the time of conception of the actual requirements, through the analysis, design, and development of the software. The course will study various methodologies of software engineering; i.e., the analysis and comparison of methods which use sound engineering principles to develop software that is reliable, cost-effective, and easily maintainable. The course will emphasize the concept of a software development team where students work on real-world software development projects to solve software problems for users.

CS 452 Senior Software Engineering Project. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 417, CS 451, Senior standing, and consent of instructor.*** This course provides students with the opportunity to apply the knowledge and skills mastered in the computer science discipline through development of complex software projects. Emphasis is placed on the concept of software development teams to create project plans, software requirements, design specifications, test plans, and other written documentation for the selected software project. Student software teams also code, test, and integrate the software according to the requirements and design specifications produced. Technical walk throughs and software demonstrations are required at the completion of various milestones.

CS 452L Senior Software Engineering Project Lab. 1 Semester Hour. ***Corequisite: CS 452.***

CS 453 Software Economics. 3 Semester Hours. ***Corequisite: CS 451: Software Engineering.*** Computer Information Systems students should complete MG 353: Project Management as well. The goal of this course is to teach students the importance of delivering high quality software on established time schedules and within the allocated budgets. Software cost and time estimations for projects following the software lifecycle methods are covered. Estimation techniques such as cost-benefit analysis, return on investment, present value analysis, risk analysis, and function point techniques are learned. Software project management techniques and other advanced cost estimation models such as COCOMO are discussed as well.

CS 454 System Security Management. 3 Semester Hours. ***Prerequisites: Successful completion of 12 hours of 300-400 level Computer Science courses at Athens State.*** The focus of this course is security engineering and building systems to remain dependable in the face of malice, error, or mishaps of other sorts. This course will cover tools, processes, and methods needed to design, implement, and test complete security systems and to adapt existing systems as their environment evolves. Students will use real-world case studies to gain practical experience in solving complex problems, like the ones encountered in industry.

CS 460 Directed Study/Special Computer Science Projects. 1 Semester Hour. ***Prerequisite: 15 semester hours of upper level computer science coursework, and consent of instructor.*** This course is designed to allow students majoring in computer science to pursue special projects of interest to both the student and instructor. Projects undertaken for this course might well be continuations of projects begun in other courses.

CS 461 Directed Study/Special Computer Science Project. 2 Semester Hours. ***Prerequisite: 15 semester hours of upper level computer science coursework, and consent of instructor.*** This course is designed to allow students majoring in computer science to pursue special projects of interest to both the student and instructor. Projects undertaken for this course might well be continuations of projects begun in other courses.

CS 462 Directed Study/Special Computer Science Project. 3 Semester Hours. ***Prerequisite: 15 semester hours of upper level computer science coursework, and consent of instructor.*** This course is designed to allow students majoring in computer science to pursue special projects of interest to both the student and instructor. Projects undertaken for this course might well be continuations of projects begun in other courses.

CS 472 Algorithm Analysis. 3 Semester Hours. (Lab fee.) ***Prerequisite: MA 308 and CS 372.***
An introduction to the classic methods for designing algorithms. The course will study specific problems such as sorting, graph traversals, and matrix multiplication in order to illustrate these methods. The methods studied will include: Divide and Conquer, Back-Tracking, Branch and Bound, and Dynamic Programming. A brief introduction to computational complexity.

CS 474 Introduction to Formal Language Theory. 3 Semester Hours. (Lab fee.) ***Prerequisite: CS 472 and MA 320.***
Formal definition of programming languages. Examples of formal grammars, including methods for language parsing. Study of regular and context-free languages. Definition of automata and their relation to formal language definitions. Other topics will include the Chomsky hierarchy, Church-Turing tbesis, and theory of computability.

Economics (EC) Courses

EC 310 Modern Economics. 3 Semester Hours. (Also listed as SS 310.)
A macro examination of the operation of modern economic systems including price determination, aggregate demand and supply theory, public policy options, and the philosophical foundations of free market and command systems.

EC 311 Economic Geography. 3 Semester Hours. (Also listed as GO 311.)
Analysis of the origins, nature and distributions of man's economic activities over the world. Elementary models of economic patterns, processes, and relationships in geographic space are stressed and the relation of these factors to the present position of the nations of the world is emphasized.

EC 320 Introduction to International Commerce. 3 Semester Hours. (Also listed as PO 320.)
Examines the international economic system and the challenges faced by multinational corporations in the conduct of international business. Special attention is given to the mechanics of importing and exporting, international finance, and private international law.

EC 321 Money and Banking. 3 Semester Hours. (Also listed as SS 321.) (Lab fee.) ***Prerequisite: Principles of Economics.***
A study of bow money, credit, and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of interest rate determination, and recent trends in banking.

EC 348 Labor Economics. 3 Semester Hours. (Lab fee.)
Introduction to labor in the economy and the relationships among workers, management. labor organizations, and public policy.

EC 410 International Finance and Monetary Economics. 3 Semester Hours. ***Prerequisite: Principles of Macro and Micro Economics (or equivalent) and EC 321 Money and Banking (or equivalent).*** This course provides students with a strong foundation in the theory and practice of international finance and macroeconomics policies, and will explore emerging topics of interest such as a single currency (Euro) in Europe and financial crises in developing countries. The course consists of four parts: foreign exchange markets, the international monetary system, open-economy macroeconomics and international financial markets.

EC 441 Special Topics in Economics. 3 Semester Hours. To be offered on occasion of student demand or need.

EC 450 Materials and Methods of Teaching Economics. 3 Semester Hours. Field Experience required.
Students will gain an understanding of basic economic principles and learn innovative methods of transferring economic knowledge to elementary and secondary students. Students will also become well versed in the Alabama State and National Standards of Learning in Economics.

EC 460 Directed Study/Research in Economics. 3 Semester Hours.
A course designed to allow students an opportunity to perform research/directed studies in economics. Offered at the discretion of the professor with approval of the College Dean.

Education (ED) Courses

ED 301 Foundations of Education I. 3 Semester Hour.
A survey course for students preparing for the teaching profession. Principles, history, philosophy, and trends in education are included. Field experience is required.

ED 302 Foundations of Education II. 3 Semester Hours. ***Prerequisite: ED 301***
This survey course is designed for students preparing for the teaching profession and includes current educational issues and trends, research for continuing professional and leadership development, school law, and the influence of groups in a democratic society. Field experience is required.

ED 305 Technology & Media in Education. 3 Semester Hours. (Lab fee.)
This course is designed to provide prospective teachers with the knowledge and ability to use the Alabama Courses of Study, current textbooks, and a varicty of instructional media and methods to integrate tcchnology into the P-12 curriculum. The focus of this course includes development of basic knowledge and skills in using a variety of instructional methods and selection of appropriate technology, and applications in all areas of the curriculm P-12. This course requires computer laboratory experience. Field experience is required.

ED 306 Computers: A Tool for Teaching. 1 Semester Hour. (Lab fee.) ***Prerequisite: Fundamental computer concepts.***
This elective course is designed to increase the student's ability to use computers in the classroom. Demonstrations and hands-on cxpericnces will includc computers with peripheral devices such as scanners, laser discs, CD-ROM, Presenter Plus, still cameras, modems, and multimedia hardwarc.

ED 312 **Educating Teachers for Diversity. 3 Semester Hours. (Formerly titled as The Child in a Diverse Society.)** Field experience is required. This course is designed to assist prospective teachers to develop understanding and appreciation of various social and ethnic groups and their cultures including the impact of these cultural phenomena on the education process.

ED 322 **Basic Principles of ELL Education. 3 Semester Hours** Field experience is required.
A course designed to provide all educators the fundamental theories and knowledge about second language acquisition, with an emphasis on instructional methods for teaching English language learners.

ED 361 **Measurement and Management. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program.***
A course designed to provide future teachers with the skills and attitudes necessary to create a positive learning environment and assist them in being able to develop and implement proper evaluative techniques and give direction to pupil growth and development. Field experience is required. This course must be taken the semester immediately before or during the internship.

ED 364 **Career Management. 1 Semester Hour.** (Also referred to as GBA 364 and PS 364.)
This course is designed to prepare students to make a successful transition from an academic environment to the work environment. The course covers the following: traditional and non-traditional job search tactics, to include resume preparation, cover letter writing, networking concepts, development of a professional portfolio, interviewing skills, salary negotiation, work ethics, and corporate culture expectations.

ED 400 **Reading Strategies. 1 Semester Hour.**
This elective course is designed to prepare in-service teachers to implement current reading strategies in order to raise comprehension skills of students in K-12.

ED 406 **Computers For Teacher Productivity. 1 Semester Hour.** (Lab fee.) ***Prerequisite: Fundamental computer concepts.***
This elective course will focus on increasing the student's ability to use computers as an organizational professional tool to assist in operating a modern classroom. Topics include lesson planning, grade books, test generators, presentation programs, desktop publishing, draw and paint programs, research programs, schedule and calendar programs.

ED 490 **Supervision of Interns. 1 Semester Hour.**
This elective course is designed to prepare in-service teachers to be cooperating teachers and supervisors of interns. Topics will include overview of the Teacher Education Program, conceptual framework, curriculum, portfolio, team building strategies, requirements of the internship, and observation and evaluation techniques. Teachers who complete the course, and have a master's degree, and, three years minimum teaching experience will be eligible to apply for a supervisor's position.

English (EH) Courses

EH 303 **Journalism. 3 Semester Hours.** (Lab fee.) (Will not satisfy literature requirements.) (Designed to fulfill requirements for language arts majors.) Study and practical experience with journalistic principles, processes, and practices of the news media, utilizing media outlets both in schools and in the community with special emphasis on work with school publications.

EH 304 **Southern Literature. 3 Semester Hours.**
An appreciative and critical study of the body of fine literature written by and about residents of the American South with a concentration on literature in the 20th century. Oral and written student response.

EH 307 **Major Authors I. 3 Semester Hours.**
A survey (Ancient to Renaissance) of contributions to western civilization by the great writers of ancient and medieval times, beginning with the Old Testament and concluding with John Milton. Oral and written student response.

EH 308 **Major Authors II. 3 Semester Hours.**
A survey of contributions to western civilization made by the great writers of the 18th century through the 20th century, beginning with the Enlightenment and ending with contemporary writers. Oral and written student response.

EH 310 **Film: History, Development and Evaluation. 3 Semester Hours.**
The history and development of the film as literature and drama, with student practice in critical evaluation. Films will be viewed and read about, and students will perform oral and written criticism of them. May include film writing and film making.

EH 311 **Drama Production. 3 Semester Hours.** (Lab fee.) (Will not satisfy literature requirement. Designed to fulfill requirements for Language Arts majors.) Study and practical experience in producing, acting, and directing, or otherwise active participation in stage craft in school or community theatre. An opportunity exists for qualified students to study with the Alabama Shakespeare Festival Theatre.

EH 312 **Dramatic Literature. 3 Semester Hours.**
Selected studies in drama, from classical through contemporary, designed to provide a wide familiarity with dramatic literature. Close study of specific plays. Oral and written student response.

EH 314 **19th Century British Studies. 3 Semester Hours.**
A critical study of the major and minor works of the Romantic and Victorian periods. Oral and written analysis.

EH 316 **American Masterpieces. 3 Semester Hours.**
An indepth study of the major works of American literature form the colonial period to the present. Oral and written analysis.

EH 319 Technical Theatre. 3 Semester Hours.
This course will cover the technical aspects of play production, designed for students who intend to direct a play or teach Drama.

EH 320 Grammar for Teachers. 3 Semester Hours. (Will not satisfy literature or composition requirement.) ***Prerequisite: Two courses in freshman composition.*** A teaching-oriented course, using both traditional standard grammar and linguistics-based grammatical systems. Includes some work in elements of composition.

EH 321 Set Design. 3 Semester Hours. (Lab fee.) (Also listed as AR 321.)
This course will cover the designing of a stage set from construction to mock-up, construction, and implementation.

EH 323 Dramatic Interpretation. 3 Semester Hours.
This course is an introduction to the practice of formal and specialized dramatic speech.

EH 325 Myth: Ritual and Culture. 3 Semester Hours.
A study of the basic belief systems of major cultures and their impact on literature and thought. Special emphasis on Greek/Roman and on eastern and western religions.

EH 330 Literary and Critical Theory. 3 Semester Hours.
An introduction to the major figures and principles of literary theory from Plato to the present.

EH 333 Acting. 3 Semester Hours.
This course is a study and practice in the art and skills of acting in live theater to include emphasis on the use of voice, gesture, and body language to convey meaning and emotion.

EH 400 Creative Writing. 3 Semester Hours.
Study and practice in the art and skills of creative writing--poetry, prose, and drama.

EH 401 Conflict Management. 3 Semester Hours. (Will satisfy general speech requirement. Will not satisfy literature requirement.)
A course in interpersonal communication, and group dynamics. Emphasis on conflict, resolution, problem solving and mediation.

EH 405 Playwrighting. 3 Semester Hours.
This course is a study and practice in the art and skills of playwrighting. The student will learn to write plays by writing plays.

EH 413 Composition for Teachers. 3 Semester Hours. (For prospective teachers only. Will not satisfy literature or general composition requirements.) A study of essential features of composition writing and evaluation. Product-centered as well as process-centered techniques will be examined.

EH 414 History of the English Language. 3 Semester Hours. (Will not satisfy literature or composition requirements.)
The development of American English from early and medieval British beginnings to the current linguistic standards and variations. Designed to increase ease of use, vocabulary, and appreciation of the English language. Analytical writing required.

EH 416 Interpreting the Text. 3 Semester Hours. (Also listed as RE 416.)
An examination of various ancient, historical, and literary methods of interpreting literature covering the range from ancient ways of reading texts to current poststructuralist approaches. Even though primary emphasis will center on religious texts, there will be considerable attention given to issues and methods that emerged from the realms of the social sciences, literature, and philosophy.

EH 425 Shakespeare. 3 Semester Hours.
Designed to provide familiarization with the range of Shakespeare's work as well as close critical appreciation of certain sonnets and plays.

EH 431 Poetry and Poetics. 3 Semester Hours. ***Prerequisite: Two composition courses and one literature course.*** A critical study of the major poems in English and American literature with an emphasis on language, forms, themes, poetic theory, analysis, interpretation, and explication. Oral and written analysis.

EH 433 Fiction. 3 Semester Hours.
Study of a wide range of fiction. Study is designed both to increase enjoyment of fiction and to develop analytical and evaluative reading skills. Both oral and written response required.

EH 440 African-American Studies. 3 Semester Hours.
A study of the major works of African-American writers from the 1700's to the present day. Includes the history of the African-American culture with an emphasis on literature related to the civil rights movement: 1865-1965.

EH 441 Special Topics in English. 1 Semester Hour. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

EH 442 Special Topics in English. 2 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

EH 443 Special Topics in English. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

EH 450 Renaissance Literature 1550-1680. 3 Semester Hours.
A critical study of the major works of the English Renaissance from Spenser through Milton, (1550-1680) exclusive of Shakespeare. Oral and written analysis.

EH 451 Restoration/18th Century. 3 Semester Hours.
A critical study of the major and minor works of the late 17th and 18th century with an emphasis on Dryden, Pope, Swift, and Johnson. Oral and written analysis.

EH 452 Chaucer and Medieval Literature. 3 Semester Hours.
A critical study of the major literary works of the middle ages with an emphasis on Chaucer and The Canterbury Tales. Oral and written analysis.

EH 454 Young Adult Literature. 3 Semester Hours.
This is a survey course of novels for middle and high school readers. Various themes and a diverse representation of authors will be studied.

EH 457 Materials and Methods of Teaching English/Language Arts in the Middle School/High School. 3 Semester Hours.
Prerequisite: Full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship. Senior methods portfolio must be submitted during this class. Field experience required. Does not satisfy requirements for any English major, minor, or general studies. This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional methods, activities and equipment into instruction; to expand knowledge of curriculum in drama, journalism, literature, speech and writing; and to improve student-centered instructional techniques. Students will actively particpate in demonstration and modeling of strategies and techniques. Research-based decision making will be emphasized.

EH 460 Directed Study of English. 1 Semester Hour. ***Prerequisite: Consent of instructor.***
A special research or creative writing course designed to meet specific needs and interest.

EH 461 Directed Study of English. 2 Semester Hours. ***Prerequisite: Consent of instructor.***
A special research or creative writing course designed to meet specific needs and interest.

EH 462 Directed Study of English. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
A special research or creative writing course designed to meet specific needs and interest.

EH 469 English Capstone Seminar. 1 Semester Hour.
This capstone course for English majors, which must be taken during students' final semester as seniors, will consist of three main components: a comprehensive examination based on required Professional courses in English major, a research paper/project designed around students' needs and interests, and a presentation of research. Upon successful completion of this course, students will understand how to formulate a thesis, collect, assess and integrate scholarly research into a 25-page research paper and present the findings of their research orally and before peers. Like all humanities classes at Athens State University, this one increases students' awareness of cultural heritage and helps them develop the research abilities for graduate work.

Elementary Education (EL) Courses

EL 315 Principles and Methods of Teaching Kindergarten. 3 Semester Hours. Field experience is required.
This is a course designed to teach Elementary Education majors (K-6) appropriate methodology specifically for kindergarten. This course includes developmental characteristics of five-year-old children with emphasis on language and intellectual development. The course will provide theoretical and philosophical bases for selecting materials and methods for a developmentally appropriate kindergarten curriculum. Implications for equipment selection, room arrangements, daily schedules, and learning experiences are discussed.

EL 320 Children's Literature. 3 Semester Hours. Field experience is required.
This is a survey course of current and traditional prose and poetry thought to be applicable to diverse populations of children. Emphasis is placed on the integration of children's literature throughout the curriculum.

EL 321 Teaching Language Arts. 3 Semester Hours. Field experience is required. ***Prerequisite: ED 301 and ED 302 taken separate semesters.*** A course designed to teach appropriate methodology for all areas of language arts with an emphasis on effective teaching of written composition in the elementary grades/early middle school grades. Course reflects the integrative nature of the language arts; the need for wholeness; the importance of being able to transfer skills, abilities, and attitudes learned in one context to another.

EL 324 Teaching Mathematics in the Primary Grades. 3 Semester Hours. Field experience is required.
A course designed to assist prospective teachers of young children in presenting early mathematical concepts and skills. Application of psychological principles to the teaching and learning of mathematics is included.

EL 351 Assessment Strategies for the Elementary Classroom. 3 Semester Hours. Field experience is required.
A junior level course designed to provide elementary teachers the skills necessary to develop and implement proper assessment strategies. Special emphasis will be on types of assessment that are used in the classroom including state mandated assessments and interpretation of data received from standardized testing as well as the construction of assessments that are appropriate for an elementary classroom.

EL 352 Management Strategies for the Elementary Classroom. 3 Semester Hours. ***Prerequisite: ED 301 and ED 302 taken separate semesters.*** **Field experience is required.** A junior level course designed to prepare prospective elementary teachers to provide an environment for effective learning. Special emphasis will be on classroom organization, discipline, and the establishment of fair rules and procedures. General methods for establishing a community of learners will be identified through the design of a classroom layout and the procedures and rules that are appropriate for an elementary classroom.

EL 413 Teaching Reading in the Intermediate Grades. 3 Semester Hours. (Lab fee.) ***Prerequisite: ER 323 and Admission to the Teacher Education Program.*** **Field experience is required.** This course provides in-depth study in and application of the process of reading and reading instruction, theoretical approaches, instructional strategies, classroom organization, and the formal/informal assessment of teaching reading in the intermediate grades. Emphases are on acquiring vocabulary, developing comprehension skills, and refining reading processes by modeling metacognitive strategies that promote reading for meaning and foster an enjoyment of reading in a balanced literacy program.

EL 420 **Teaching Science. 3 Semester Hours.** (Lab fee.) ***Prerequisite: ED 301 and ED 302 taken separate semesters.*** **Field experience is required.** Recommended for students beginning their third full semester of course work. This course is designed to present a comprehensive overview of the place of science in elementary education: the objectives and trends, issues in science curriculum and teaching methods, how children learn science, the relation of science to daily life, processes in science, organizing the program, and obtaining materials for instruction. Emphasis is placed on materials and methods, processes of discovery, and the role of children as investigators. Inquiry science teaching is a major course emphasis.

EL 423 **Teaching Social Studies. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program.*** **Field experiences are required.** This course is designed to provide prospective elementary and middle school teachers with materials and methods to help children develop competencies that will enable them to deal with and, to some extent, manage the physical and social forces of the world in which they live. Emphasis is placed on a balanced instructional program in the development of understandings, attitudes, and skills which are needed to meet intelligently the problems of every day living.

EL 424 **Teaching Mathematics in the Intermediate Grades. 3 Semester Hours.** (Lab fee.) ***Prerequisite: EL 324 and Admission to the Teacher Education Program for Elementary Education Majors.*** **Field experience is required.** This course is based on the NCTM Standards and is designed to present a comprehensive overview of the topics presented in an elementary/middle school mathematics program. Emphasis is placed on materials and methods that assist students in learning mathematical concepts with understanding for application in everyday living.

EL 482 **Internship in Elementary Education. 9-12 Semester Hours.** (Lab fee.) ***Prerequisite: Senior standing and admission to the Teacher Education Program.*** Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor.

EL 483 **Internship in Elementary Education. 5 Semester Hours.** (Lab fee.)
Seven-week internship program for persons seeking additional certification.

EL 484 **Curriculum Seminar in Elementary Education. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program. To be taken one semester prior to Internship in Elementary Education.*** Senior methods portfolio must be submitted during this class. Field experience is required. This is a senior level capstone course designed to prepare prospective elementary teachers through reflective practice and to provide an environment for effective learning. Special emphases will be on classroom organization, including preparing for the first day of school, establishing fair rules and procedures, and integrating the curriculum. The course will include recent trends in the selection and organization of the elementary school curriculum. General methods for integrated teaching will be identified throught the planning of a series of lessons appropriate for an elementary school class.

Early Childhood Education (ER) Courses

ER 302 **Theories and Stages in Language Development. 3 Semester Hours.** ***Prerequisite: ED 301 and ED 302 taken separate semesters.*** **Field experience is required.** This course is designed to familiarize the student with language acquisition and theory including phonology, syntax, semantics and pragmatics with emphasis on the varied home, cultural and school influences in language and literacy development.

ER 303 **Professional Education Communication. 3 Semester Hours. Field experience is required.** This beginning education course is designed to facilitate the acquisition of professional attributes, and to improve oral and written communication skills by refining study and research skills, using professional vocabulary, sharing research findings about educational trends and issues, seeking funding for educational programs, sharing information with families, and writing lesson plans. Attributes and dispositions will be articulated, defined, and modeled. These dispositions will be encouraged in oral presentations and collegial interactions. Practice in oral and written language usage will occur through writing and speaking about current educational concerns.

ER 309 **Early Brain Development. 3 Semester Hours May be used as a substitution for CHD 209. Field experience is required.** The purpose of this course is to help students understand how early brain development might be related to changes in cognitive and affective development in young children birth through age 8. Topics will include (1) normal development in infants and toddlers in all domains, physical, social, emotional and cognitive; (2) the history, theory and research on early brain development; (3) biological perspectives on development; (4) the processes of brain maturation; (5) the educational implications of early brain research; (6) brain plasticity; (7) the neurological basis development disorders; and (8) the effects early experiences have on the development of the young child.

ER 310 **Principles of Early Childhood Education. 3 Semester Hours.** Field experience is required.
This course is designed to provide prospective teachers of young children with the historical, theoretical, and practical issues of early childhood education. Emphasis is on early childhood philosophical and sociological foundations, facets of development, principles of learning, trends and issues, and program models.

ER 318 **Literature in Early Childhood Education. 3 Semester Hours.**
This course has a two-fold purpose. As a survey course, it is designed to assist preservice teachers in becoming acquainted with the great wealth of trade books available for today's young children. An equally important purpose is to assist pre-service teachers so they may guide young children toward more creative, insightful utilization of literary materials in a classroom setting.
Field experience is required.

ER 319 **Literacy and Literature for the Young Child. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program and Senior Standing.*** **Field experience is required.** Emphasis is given to teaching Language Arts and literature to ESL students. This course examines methods and materials for planning, implementing, and assessing developmentally and culturally appropriate language arts and literature curricula for early childhood education. Emphasis will be on developing the process skills for facilitating emergent literacy, early writing, listening, and speaking, as well as teaching language arts and literature.

ER 323 Teaching Reading in the Primary Grades. 3 Semester Hours. ***Prerequisite: ED 301 and ED 302 taken separate semesters.*** **Field experience is required.** An in-depth study of early literacy development; word identification strategies including phonics, structural analysis, contextual analysis, and whole word methodology; various approaches to reading including the language experience and hasal reader approaches and the uses of computers in the reading/writing program.

ER 326 Assessment in Early Childhood Classrooms. 3 Semester Hours. Field experience is required.
This course examines the goals, benefits, and uses of developmentally and culturally appropriate assessment processes that positively influence children's development and learning. It focuses on the family's significant role in the assessment process. It includes developmental and health screenings, systematic ohservations, play-hased assessments, diagnostic evaluations, documentation of learning, and curriculum and criterion referenced assessments. Strengths, limitations, problems, and the developmental and cultural appropriateness of the selected practices and strategies will he addressed.

ER 327 Classroom Management in Early Childhood Education. 3 Semester Hours. Field experience is required.
This course is designed to provide prospective teachers of young children with a rationale for thoughtful provision of an appropriate environment for effective learning and development in early childhood programs. This course will provide early childhood educators with the factors that influence quality programs in the area of management.

ER 330 Children's Constructions of Relationships through Arithmetic and Mathematical Reasoning. 3 Semester Hours.
Prerequisite: ED 301 and ED 302 taken separate semesters. **Field experience is required.** Students will examine how young children construct numher and mathematical concepts. They will identify and examine developmentally and culturally appropriate techniques, strategies, and materials for teaching young children arithmetic and mathematical concepts.

ER 350 Administering and Managing Early Childhood Programs. 3 Semester Hours. ***Prerequisite: Admission to Teacher Education Program, Senior Standing.*** **Field experience is required.** This course should be taken the semester prior to internship. It is designed to provide future administrators of childcare programs with a knowledge of the factors that influence quality programs which include: program philosophy, policies and evaluation; assessing, recording, and reporting children's progress; scheduling; nutrition and health services; home and school collahoration; administrative organization and regulations; managing personnel; organizing the physical environment; financing and hudgets; and contrihuting to the profession.

ER 400 Children's Play as Symbolic Behavior. 3 Semester Hours.
This course will examine the role of representation in young children's learning, study the child's developing ahility to represent what they know ahout their worlds through play, understand the impact of experience, culture, and social interaction on the ahility to represent, as well as allow students the opportunity to explore a range of forms of symbolic representations and develop ideas and strategies to stimulate children's development.

ER 402 Preschool Curriculum. 3 Semester Hours.
This course provides a curricula framework of goals and outcomes for young children attending Head Start, preschool, Pre-K and Kindergarten programs that support their growth and development and help teachers and administrators meet state and national standards of high quality in their programming for children. The course huilds knowledge about outcomes in nine areas considered essential in preparing children for school success; language development, literacy, mathematics, science, creative arts, social and emotional development, approaches to learning and physical health and development. Students will develop the knowledge and skills to plan for children, implement plans, and assess the progress of children in meeting local, state and national standards. Emphasis is on planning and implementing plans in all domains of learning for all children, including English language learners and those with special needs.

ER 420 Parenting and Community Relations. 3 Semester Hours ***Prerequisite: Admission to Teacher Education Program and Senior Standing.*** This course will examine various ways of enhancing the young child's development through promoting positive interrelationships among early childhood educators, parents and others in the community. Using an ecological systems framework, the course huilds knowledge of the roles of diverse family structures, cultural identities, stressors and supports, economic circumstances, and community characteristics and resources in facilitating child development. Learners develop skills needed for communicating effectively with families, facilitating parent education, and promoting family involvement with child care setting as well as utilization of community resources. Special emphasis is given to the importance of the role of the educational leader in school-community relations.

ER 430 Investigation, Experimentation and Inquiry. 3 Semester Hours. ***Prerequisite: Admission to Teacher Education Program and Senior Standing.*** **Field experience is required.** Students will examine how young children use investigation, experimentation, and inquiry to build theories in science and social studies. Emphasis will be placed on developmentally and culturally appropriate approaches that integrate the content and concepts for science and social studies.

ER 450 Administering/Managing Early Childhood Programs. 3 Semester Hours. ***Prerequisite: Admission to Teacher Education Program and Senior Standing.*** **Field experience is required.**
This course should be taken the semester prior to internship. It is designed to provide future administrators of childcare programs with a knowledge of the factors that influence quality programs which include: program philosophy; policies and evaluation; scheduling; nutrition and health services; home and school collahorations; administrative organization and regulations; managing personnel; working with families; organizing the physical environment; financing and budgets; advocacy and contrihuting to the profession.

ER 460 Practicum in Early Childhood Education. 3 Semester Hours. (Lah fee.) ***Prerequisite: Admission to Teacher Education Program, and ER 323, ER 330 and CHD-201.*** This field experience consists of tutoring kindergarten or first grade students in math and reading and select inservice opportunities.

ER 461 Practicum in Early Childhood Education. 3 Semester Hours. (Lah fee.) ***Prerequisite: CHD 210.***
This is a field experience in an elementary school designed to increase knowledge of how to relate to special education K-3rd grade students. Assignments are intended to link theory of early childhood education to practice.

ER 462 Practicum in Early Childhood Education. 3 Semester Hours. (Lab fee.) ***Prerequisite: CHD 202.***
This is a field experience in an elementary school designed to increase knowledge of planning fine arts experiences for K-3rd grade students. Assignments are intended to link theory of early childhood education to practice.

ER 470 Early Childhood Curriculum. 3 Semester Hours. ***Prerequisite: ER 310, Admission to Teacher Education Program, Senior Standing.*** *Must be taken the semester before internship.* **Field experience is required.** Senior methods portfolio must be submitted during this class. This is the capstone course for early childhood majors. This course is designed to teach the basic principles and considerations underlying planning a developmentally appropriate curriculum for young children, pre-K through third grade (P-3 certification), in all areas of development. This course examines the content, methods and materials appropriate for young children and the teacher's role in organizing and integrating the early childhood curriculum. Implications for equipment selection, room arrangement, daily schedules, and learning experiences are discussed.

ER 480 Internship in Early Childhood Education. 9-12 Semester Hours. (Lab fee.) ***Prerequisite: Senior standing and admission to the Teacher Education Program.*** **Seminar attendance is required.** The internship is the culminating experience of the Teacher Education Program which provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. For students who have not taken a preschool practicum at the community college level, the internship will also consist of time spent in a four-year-old program.

ER 481 Internship in Early Childhood Education. 5 Semester Hours. (Lab fee.)
Seven-week internship program for persons seeking additional certification.

ER 486 Seminar in Early Childhood Education. 3 Semester Hours.
This course is designed to teach the basic principles and considerations underlying planning a developmentally appropriate curriculum for young children in preschool through 3rd grade. **It is to be taken the same semester as the internship** so that students can come to class one evening, reflect on their teaching during the internship and adjust or revise their teaching plans.

Enterprise Systems Management (ESM)

ESM 300 Enterprise Systems & Business Processes. 3 Semester Hours. ***(Lab fee.) Prerequisites: ISM 400.***
Students will learn how enterprise software is used to manage the integration of business operations. Through a process-oriented view of the organization and its relationships with suppliers, customers, employees, and stakeholders, students learn about the relationship of enterprise software to business processes and workflow. Enterprise resource planning (ERP), supply chain management (SCM), and customer relationship management (CRM) systems and their role in integrating information are investigated. Comparisons of the top vendor ERP systems will be studied through case studies. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 320 Human Capital Management Systems. 3 Semester Hours. ***(Lab fee.) Prerequisite: ESM 300; Prerequisite or Co-requisite: MG 349.*** Students will learn how human capital management systems provide the tools and technologies needed to enhance all facets of HR administration and employee relationship management. Key business processes such as attracting and retaining human resources, motivating human resources, payroll processes, benefits administration, and evaluating performance will be studied. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 330 Financial Management Systems. 3 Semester Hours. ***(Lab fee.)***
Prerequisite: ESM 300, 3 hours of Accounting; Pre- or Co-requisite: MG 350. This course will introduce students to the enterprise systems that produce financial information for organizations. Key business processes for acquiring financial and capital resources will be studied. Examples include: accounting for financial capital and assets, accounting for sales and receivables, creating income statements and balance sheets, and other reports reflecting financial performance of an organization. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 340 Customer Relationship Management Systems. 3 Semester Hours. ***(Lab fee.)***
Pre-Requisite: ESM 300. This course emphasizes identification, acquisition, retention, and development of customers using enterprise systems. It also covers order management and integration with other ERP components such as financials and inventory. Students will be exposed to effective and efficient management of an organization's sales force through the utilization of information technology. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 400 Logistics & Supply Chain Management Systems. 3 Semester Hours. ***(Lab fee.)***
Prerequisite: ESM 300; Pre- or Co-requisites: MG 390. This course presents the need for supply chain integration and the challenges of managing complex interfaces. Students will learn about the activities that lead to integration of information and material flows across multiple organizations in the supply chain and will examine ERP software functionality for logistics, manufacturing, planning, and analytics. Additional emphasis will be placed on acquisitions and contract management processes using enterprise management software. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 410 Business Intelligence Systems. 3 Semester Hours. ***(Lab fee.)***
Prerequisite: ESM 300. This course is a study of data, information, and data warehouses as business intelligence solutions. Students will learn to design and develop an enterprise data warehouse as a central repository of integrated data for comprehensive analysis, presentation, and business intelligence. Special emphasis will be placed on data mining, cleansing of legacy data and elimination of data redundancy to ensure consistency and protect data integrity. Students will experience business intelligence and data warehousing through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 415 Knowledge Management Portals. 3 Semester Hours. *(Lab fee.)*
Prerequisite: ESM 300. In this course, students will study the use of enterprise portals to unify key information and applications giving users a single view that spans systems and organizational boundaries. By using portals to create access to corporate information using the Internet, students will learn about key topics such as how to search and classify information for easy access, take advantage of tools and services for effective management of corporate knowledge, and use project management tools to enable collaboration between teams. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 420 Enterprise Systems Development. 3 Semester Hours. *(Lab fee.)*
Prerequisite: ESM 300. Students will be introduced to basic programming skills needed to customize and maintain ERP software systems. Practical programming assignments using a corporate database and several languages will be used to learn syntax, table processing, and report generation for real-world implementation and use within an ERP system. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 425 Enterprise Systems Configuration. 3 Semester Hours. *(Lab fee.)*
Prerequisite: ESM 320, ESM 330, ESM 340, ESM 400. In this course, students will learn to implement an ERP from initial installation through configuration and testing with business transactions. They will customize an ERP system learning to setup financials, human resources, logistics, sales and distribution modules to accommodate the specific needs of an organization. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.

ESM 450 Enterprise Systems Internship. 2 Semester Hours. *(Lab fee.)*
Prerequisite: Senior standing, approval of academic advisor, and compliance with College of Business Internship Policies and Procedures. This internship in the field of Enterprise Resource Planning Systems is designed to provide the student with practical work experience leading to a potential career in either functional or technical areas of the field. At least 100 hours of work-based experience is required.

ESM 455 Enterprise Systems Practicum. 2 Semester Hours. *(Lab fee.)*
Prerequisite: Senior standing and academic advisor approval; Co-Requisite: ESM450. Supervised experience with, observation of, and participation in the application of ERP system concepts and practices in a laboratory setting.

Finance (FIN) Courses

FIN 355 General Insurance. 3 Semester Hours.
A study of fundamental principles and uses of various types of insurance: life, fire, automobile, homeowners, and other casualty and business forms.

FIN 356 Real Estate. 3 Semester Hours. (Approved by the Alabama Real Estate Commission as a pre-license course.)
A course designed to give students a broad understanding of the principles of real estate. Instruction includes historical background, freehold estates, leasehold estates, deeds, transferring of interests, financing, appraising, and the Alabama Real Estate License Law.

General Business (GBA) Courses

GBA300 Business Research Skills. 1 Semester Hour. *NOTE: Beginning Fall 2008, all College of Business majors enrolled in this course will be required to purchase LiveText's Accreditation Management System™ to maintain a portfolio for assessment purposes. Please see the course syllabus for details.* This course is designed to familiarize students with business information sources and library research skills in business fields, including information about corporations, industries, economics and career resources. It will include periodical literature, books, electronic resources, reference materials, government resources, and finding relevant tools.

GBA301 Windows Applications for Business. 3 Semester Hours. (Lab fee.)
An examination of the many uses for windows applications in the modern business setting. Emphasis given to a "hands on approach" of assessing the usage of personal computers for preparing spreadsheets, managing files, word processing, and graphics.

GBA305 Statistical Methods of Business I. 3 Semester Hours. (Lab fee.) ***Prerequisite: College algebra or equivalent.***
Introduction to descriptive and inductive methods to evaluate data. Coverage will include the calculation of central tendency, tests of hypothesis, probability theory, and sampling.

GBA306 Statistical Methods of Business II. 3 Semester Hours. (Lab fee.) ***Prerequisite: GBA 305.***
An advanced course covering topics such as analysis of variance, time series analysis, simple and multiple regression, and index numbers.

GBA307 Quantitative Business Analysis. 3 Semester Hours. (Lab Fee.)
Focuses on the concepts, processes and problem solving tools related to the quantitative aspects associated with management and operation of a business. Topics include applied linear programming, decision theory, waiting line analysis, regression analysis, forecasting techniques, inventory management and similar topics. In addition to an in-depth study of these subjects, the course will include case studies, optimization techniques, and multi-criteria decision-making applications.

GBA311 The Legal Environment of Business. 3 Semester Hours.
An analysis of the legal, social, and ethical environment of business.

GBA 314 Business Ethics. 3 Semester Hours.
An examination of moral philosophy and its relevance to business operation and managerial decision making. Ethical choices and their impact will be considered. Extensive use of the case study approacb will be utilized.

GBA332 History of American Business. 3 Semester Hours. (Cross listed as HY 332)
This course familiarizes the student with the major developments in the history of American business since colonial times. Particular emphasis is given to the evolution of the firm and the role of entrepreneurs.

GBA350 International Business Law. 3 Semester Hours. ***Prerequisite: None. However, it is recommended that the student complete GBA 311 or PO 350, and MG 352 before taking GBA 350.*** This course focuses on the legal framework within which international trade takes place. Within this large framework public and private international law are important as a sub-focus. Areas to be studied include international organizations, environmental law, human rights, economic/commercial law, public and private international law, tax law, comparative law and ethics.

GBA357 Personal Finance. 3 Semester Hours.
A study and review of consumer money management problems, choices, and decision-making. Topics such as investing in stocks, bonds, mutual funds, commodities, and options will be covered.

GBA364 Career Management. 1 Semester Hour. (Also referred to as ED 364 and PS 364.)
This course is designed to prepare students to make a successful transition from an academic environment to the work environment. Also included are traditional and non-traditional job search tactics, to include resume preparation, cover letter writing, networking concepts, development of a professional portfolio, interviewing skills, salary negotiation, work ethics, and corporate culture expectations.

GBA368 Industrial and Personnel Psychology. 3 Semester Hours. (Also listed as PS 368.) (Sometimes taught on a pass/fail basis.) The application of psychology to industrial organization. Areas of consideration include morale and group processes, supervisory leadership, selection and placement, training, motivation, fatigue, accidents, interviewing and industrial counseling.

GBA460 Directed Study/Research in Business. 3 Semester Hours.
A course designed to allow students an opportunity to perform research or directed studies. This course is offered at the discretion of the professor with the approval by the School Dean.

Gerontology (GE) Courses

GE 320 Nutrition. 3 Semester Hours. (Also listed as GS 320)
This course considers contemporary nutrition from the viewpoint of practical application. Emphasis is on the relationship of nutrition to health, growth, development, and disease prevention.

GE 320L Nutrition Lab. 1 Semester Hour. (Also listed as GS 320L). ***Corequisite GE 320. Prerequisite: Basic computer skills in Microsoft Word and Excel.***

GE 335 Adult Psychology. 3 Semester Hours. (Also listed as PS 335).
Indepth survey of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of adult development. Topics include physical change, development of identity and social roles, intellectual changes over the life span, relationships, career and retirement choices, and coping with death and dying. Critical analyses of scientific research designs and methods will be emphasized.

GE 410 Physiology of Aging. 3 Semester Hours.
A study of the physiological process of aging and the special problems encountered by such process.

GE 412 Aging Policy and Programs. 3 Semester Hours.
The federal, state, and local framework of services and programs for the aging.

GE 471 Aging in a Mass Society. 3 Semester Hours. (Also listed as SO 471.)
A study of the aging process, the special problems encountered by the aging and by the institutions of society involved in the care of the aging.

GE 497 Practicum in Psychology/Sociology/Gerontology. 3 Semester Hours. (Also listed as PS/SO 497.)
This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.

Geography (GO) Courses

GO 300 World Regional Geography. 3 Semester Hours.
This course examines recent trends and research concerning the physical, historical, cultural, economic, and political developments in North America, Europe, South America, Africa, and Asia. The five basic themes of geography--location, place, relationships within places, movement, and regions--are stressed. There is also emphasis on patterns of social and political development, cultural diffusion, conflict, and cooperation in each region.

GO 309 North America and Europe. 3 Semester Hours. (Does not satisfy B.A. History requirements.)
This course examines the physical, historical, cultural, economic, and political characteristics of four geographical regions: the United States, Canada, Western Europe, and Eastern Europe. Except for the United States, there is considerable emphasis on the historical evolution of each region. The five basic themes of geography--location, place, relationships within places, movement, and regions will also be stressed.

GO 311 Economic Geography. 3 Semester Hours. (Also listed as EC 311.)
This course examines the origin, types, and distribution of economic activities around the world as well as the theories that explain the location of economic activities. There is some discussion of environmental determinants of economic activities as well as the role of people and cities in a nation's economy. The student should demonstrate a knowledge of the five basic themes of geography as they relate to economic activities: location, place, relationships within places, movement, and regions.

GO 320 The Geography of North America. 3 Semester Hours.
This course emphasizes the geography of the United States, Canada, and Mexico. The relationship of the Caribbean region and Central America to North America is also considered. There is an emphasis on location, place, relationships within places, movement, and regions.

GO 332 Physical Geography. 3 Semester Hours. (Also listed as GS 332). (Lab fee.) ***Corequisite: GO 332L.***
Designed to instill greater appreciation and awareness of man's physical environment. Areas of emphasis include mineralogy, petrology, plate tectonics, diastrophism, weathering, mass wasting, agents of erosion, soil layers, and remote sensing.
GO332L Physical Geography Lab. 1 Semester Hour. ***Corequisite: GO 332.***

GO 340 South America, Africa, and Asia. 3 Semester Hours. (Also listed as HY 340.)
This course stresses the major events in the historical development of South America, Africa, and Asia. In addition to ancient empires and culture, consideerable attention is given to colonization, independence, historical figures, and current events in each region.

GO 341 Biogeography. 3 Semester Hours. ***Prerequisite: BI 303, Consent of instructor.*** Presents biological aspects of geography. Presents biological aspects of geography. Designed to instill greater appreciation and awareness of man's physical environment and of mechanisms which control the distribution of plants and animals on planet Earth.

General Science (GS) Courses

GS 300 Introduction to Astronomy. 3 Semester Hours. (Lab fee.)
Corequisite: GS 300L. Prerequisite: College level Mathematics. A study of the laws and principles of astronomy, designed to help the student gain an understanding of how the astronomer studies his subject. To help the student appreciate the scope of the universe, discussion will include the solar system, stars, galaxies, and the Big Bang theory.
GS 300L Introduction to Astronomy Lab. 1 Semester Hour. (Lab fee.) ***Corequisite: GS 300.***

GS 301 Atmospheric Science. 3 Semester Hours. (Lab fee.) ***Corequisite: GS 301L.*** A survey course in meteorology at the introductory level. This course provides the student with physical explanations for those phenomena collectively called weather.
GS 301L Atmospheric Science Lab. 1 Semester Hour. ***Corequisite: GS 301.***

GS 302 Earth Science. 3 Semester Hours. (Lab fee.) ***Corequisite: GS 302L.*** A study of the materials that comprise the Earth and of the processes that change the features of the Earth. Areas of emphasis may include mineralogy, erosional processes, soils and groundwater, plate tectonics, oceanography, and environmental issues related to the Earth sciences.
GS 302L Earth Science Lab. 1 Semester Hour. ***Corequisite: GS 302.***

GS 305 Great Ideas in Science. 3 Semester Hours. (Lab fee.) ***Corequisite: GS 305L.*** This course provides an overview of some of the landmark ideas and concepts in science, including topics such as gravity, heat and energy, electricity and magnetism, light, atoms, molecules, basic chemistry, ecology and the environment, living things, and genetics. Emphasis will be placed on the applications of these concepts to daily living and to current societal issues relating to science and technology. Some basic mathematical treatments of the course concepts will be required in both the course and corequisite laboratory.
GS 305L Great Ideas in Science Lab. 1 Semester Hour. ***Corequisite: GS 305.***

GS 320 Nutrition. 3 Semester Hours. (Also listed as GE 320.) ***Corequisite: GS 320L.*** (Lab fee.) (This course may be used to satisfy the Health requirement for B.S.Ed. Majors. It will not count as a physical science for B.S.Ed. Physical Education majors or Elementary Education majors.) This course considers contemporary nutrition from the viewpoint of practical application. Emphasis is on the relationship of nutrition to health, growth, development, and disease prevention.
GS 320L Nutrition Lab. 1 Semester Hour. ***Corequisite GS 320. Prerequisite: Basic computer skills in Microsoft Word and Excel.***

GS 321 Environmental Science. 3 Semester Hours. (Lab fee.) ***Corequisite: GS 321L.*** Emphasis on biological, chemical, and physical aspects of environmental problems, integrating current legal, economic, social, and technical developments.
GS 321L Environmental Science Lab. 1 Semester Hour. ***Corequisite: GS 321.***

GS 441 Special Topics in General Science. 1 Semester Hour. Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

GS 442 Special Topics in General Science. 2 Semester Hours. Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

GS 443 Special Topics in General Science. 3 Semester Hours. Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

GS 461 Directed Study/Research in General Science. 1 Semester Hour. Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

GS 462 Directed Study/Research in General Science. 2 Semester Hours. Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

GS 463 Directed Study/Research in General Science. 3 Semester Hours. Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

GS 330 Environmental Chemistry. 3 Semester Hours. (Also listed as CH 330). (Lab fee.)
Study of natural chemical processes of Earth and actual and possible effects of humans on natural chemical systems. Environmental problems such as air and water pollution, ozone depletion, and global warming discussed. Also may include introduction to some methods of environmental analysis and pertinent environmental regulations.

GS 456 Materials and Methods of Teaching General Science in Middle School/High School. 3 Semester Hours. (Also listed as BI/CH 456.) ***Prerequisite: Full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship.*** **Field experience required.** Does not satisfy requirements for any natural science major, minor, or general studies. Senior methods portfolio must be submitted during this class.
This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities and to select and use appropriate materials and equipment in the fields of biology, chemistry, physics, and earch/space science. Students will actively participate in demonstration and modeling of strategies and technique. Emphasis will be placed on the integration of laboratory activities into the curriculum. This will include the use of technology, safety instructions, treatment of hazardous waste, teaching resources, student textbooks, and the Alabama Course of Study.

GS 490 Senior Seminar in General Science. 1 Semester Hour. ***Prerequisites: Senior standing as a General Science major at Athens State University or consent of the instructor(s).*** This course is designed to introduce General Science students to current topics and issues in the sciences and to give students the opportunity to strengthen and improve their written and oral presentation skills. Students will be required to create materials and give presentations on current topics in science during the semester. Each student's presentations and the associated materials will be evaluated by other students in the class and by faculty members from the Department of Natural Sciences.

Health Care Management (HCM) Courses

HCM 340 Introduction to Health Care Systems. 3 Semester Hours. ***Prerequisite: MG 346 .*** This course provides an overview of the organization and administration of health care delivery systems in the United States. It examines the history, roles, and interactions of the various providers, consumers and governments.

HCM 345 Management of Health Care Organizations. 3 Semester Hours. ***Prerequisite: MG 346 .*** This course is designed to prepare students for managing health care organizations, and the development of strategies for addressing the increasing pressure to contain costs and at the same time maintain quality health care. Topics covered will include an understanding of the daily tasks managers face and the knowledge and skills required; the management of health care teams; and the concepts of total quality management to continuously evaluate and improve health care delivery.

HCM 355 Survey of Issues in Health Care Management. 3 Semester Hours. ***Prerequisite: MG 346 .*** Health Care organizations are under continual pressure to contain costs while maintaining high quality health care. This course is designed to help students learn about the many controversial issues facing the health care industry and to develop skills for analysis of issues facing health care organizations, including ambulatory, acute care, and long-term care facilities. Attention will be given to the often conflicting demands health care organizations face from the various stakeholders including state and federal agencies, managed care organizations, employers, health care professionals, and patients.

HCM 356 Legal & Ethical Issues in Health Care Management. 3 Semester Hours. ***Prerequisite: HCM 340 .*** This course examines the basic concepts of legal aspects and philosophical approaches to ethical dilemmas in the health care setting. Topics to be discussed include health care laws and ethical choices and their impact to patients and health care professionals.

HCM 430 Principles of Long-Term Care. 3 Semester Hours. ***Prerequisite: MG 346 .*** This course will examine basic and advanced concepts of long term care organizations and management of health care organizations. The course will enhance understanding of the current health care delivery systems, and will emphasize the challenges faced by administrators and organizations.

HCM 440 Ambulatory Care Management. 3 Semester Hours. ***Prerequisite: MG 346 .*** This course will examine issues related to management of ambulatory care organizations. Topics included will be organizational and financial management issues, patient care systems, managed care, human resource management principles, planning and marketing.

HCM 450 Managed Care. 3 Semester Hours. ***Prerequisite: MG 346 .*** This course examines the basic concepts and development of managed care in the United States. Topics to be discussed include managed care structure and products, the principles of third party payment and health insurance, risk management, cost and quality control, and the role of the healthcare administrator.

HCM 455 Health Care Management Internship. 3 Semester Hours. ***Prerequisite: Senior standing plus completion of all other required HCM minor courses.*** *This course is offered Fall and Spring semesters only. Proof of health care insurance is required. A fee will be assessed for liability insurance.* The course is designed to give students practical work experience in a variety of health care settings leading to a potential career in health care management. In addition, students will explore strategies to assess methodologies of healthcare delivery.

HCM 460 Health Care Management Senior Seminar. 3 Semester Hours. *Prerequisite: Senior standing plus completion of all 300-level required HCM minor courses.* This course is designed to develop management skills using practical applications of leadership and behavioral theories in a variety of health care settings. In addition, upon completion of the course, students will have gained effective tools to pursue employment in the health care management field.

Health and Physical Education (HPE) Courses

HPE 301 Theory of Coaching and Officiating. 3 Semester Hours. (Recommended for Physical Education majors only.)
This course is designed to develop the knowledge of candidates regarding: Familiarity with basic philosophies, fundamentals, and rules that will cultivate keen observation and discussion of the sport. Emphases will be placed on effective methodology, strategic and theoretical elements, and motor skills leading to the development of championship teams. Additional content will include training and practice metbodology, nutrition, and the psychology of motivating and uniting players as a team. A major purpose of this course is to prepare students witb the basic competencies needed for interscholastic coaching and to provide an understanding of officiating mechanics. Developmentally appropriate variations can be applied for effectively coaching youth league, or collegiate teams. Opportunities will be provided to utilize technology to complete course assignments. Field experience is required.

HPE 320 Nutrition. 4 Semester Hours.
This course considers contemporary nutrition from tbe viewpoint of practical application. Emphasis is on the relationship of nutrition to healtb, growtb, development, and disease prevention.

HPE 321Analysis and Teaching of Rhythms and Dance. 3 Semester Hours. (Recommended for Physical Education majors only.)
This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic rhythmic and dance skills and dance-related terminology. Specifically, the course is designed to prepare students to systematically analyze basic rhytbms and dance skills. In addition, students will be provided with opportunities to teach a variety of rbythms and dances to students of varied backgrounds, ability levels and experiences. The course will also provide tbe students with an opportunity to participate and administer specific conditioning exercises, an opportunity to participate and administer specific cultural dances and integrative rhythms and dances, to construct developmentally appropriate rhythmic activities and dances, and an opportunity to analyze and implement specific competition strategies.

HPE 322 Analysis and Teaching of Individual Sports. 3 Semester Hours. (Recommended for Physical Education majors only.)
This course is designed for tbe purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic sport skills. Specifically, the course is designed to prepare candidates to systematically analyze badminton, tennis, and golf sport skills, and other outdoor leisure pursuits. In addition, candidates will be provided with opportunities to teach badminton, tennis, and golf sport skills. The course will also provide the candidates with opportunities to participate and administer specific conditioning exercises, opportunities to participate and administer specific sport skill drills, opportunities to analyze and implement specific game strategies or culminating activities to other candidates and to students during field experiences. Opportunities will be provided to utilize technology to complete course assignments.

HPE 323 Aquatics and Advanced Lifesaving. 3 Semester Hours. (Recommended for Physical Education majors, wellness majors, or students seeking an additional health endorsement.) A course dealing with the analysis of movement involved in the performance of a variety of aquatics and lifesaving techniques. This course provides training in the procedures of administering first aid and CPR. American Red Cross Certification is awarded for the successful completion of this course.

HPE 324 Analysis and Teaching of Team Sports. 3 Semester Hours. (Recommended for Physical Education majors only.) Field experience is required. This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic sport skills and enhance their ability to teach specific sport skills. Specifically, the course is designed to prepare students to systematically analyze basketball, volleyball, and soccer sport skills. Students will be provided with opportunities to teach basketball, volleyball, and soccer sport skills. Students will perform and administer conditioning exercises, perform and administer sport skill drills, and analyze and implement game strategies and culminating activities.

HPE 325 Kinesiology. 3 Semester Hours. (Recommended for Physical Education majors only or approval of instructor.) ***Prerequisite: Anatomy and Physiology.*** Field experience is required. This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic biomechanical concepts related to human performance. The course will provide the student with background, meaning, and significance associated with the various scientific principles impacting the body's ability to adjust to the demands of pbysical activity. A number of biomechanical topics will be considered, including tbe anatomical planes and axes of the human body, tbe laws of motion, the muscles that produce motion, and the forces that impact movement. It is designed to allow for the utilization of tecbnology in the preparation of daily assignments, lab assignments, data analyses, and class presentations.

HPE 326 History and Principles of Physical Education. 3 Semester Hours. (Recommended for Physical Education majors only.) **Field experience is required.** This course is designed for the purpose of providing Physical Education majors witb an opportunity to increase their knowledge and understanding of basic historical aspects of physical education and sport. The course is designed to provide the student witb an overview of the body of knowledge encompassing the discipline of pbysical education. The candidate will be exposed to tbe philosophical, the historical, the psychological, tbe biological, tbe sociological, and the physiological perspectives of pbysical education, exercise science and sport. Careers and professional considerations in physical education, exercise science and sport and tbe issues, challenges and the future of physical education, exercise science and sport will be studied. Candidates are provided the opportunity to observe, analyze, and reflect on the differences in policies and procedures related to a variety of public school physical education programs and activities directed at the improvement of teaching and learning to meet the needs of all students.

HPE 327 Physiology of Exercise. 3 Semester Hours. (Recommended for Physical Education majors only or approval of instructor.)
Prerequisite: Anatomy and Physiology. This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of physiological concepts associated with human performance. The course will provide the candidate with background, meaning, and significance associated with tbe body's ability to adjust to the demands of physical activity. A number of human performance topics will be considered, including the impact of physical activity on the cardiovascular system, the muscular system, tbe respiratory system, the digestive system, and the endocrine system. It is designed to allow for the utilization of technology in the preparation of daily assignments, lab assignments, data analyses, and class presentations.

HPE 333 Care and Prevention of Athletic Injuries. 3 Semester Hours. (Lab fee.) (Recommended for Physical Education majors only or approval of instructor.) **Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic methods utilized to prevent, care, and rehabilitate athletic injuries. In addition, the course will provide the candidate with background, meaning, and significance associated with the most common athletic injuries, their anatomical and physiological associations, and their method of treatment. A number of topics will be considered, including basic anatomical structures, common injuries, basic preventative measures, basic treatment techniques, and basic information related to the role and responsibility of an athletic trainer. Through field experiences candidates will be provided the opportunity to observe and assist public school athletic trainers in meeting the different needs of athletes and/or students.

HPE 350 Adapted Physical Education and Sports. 3 Semester Hours. (Recommended for Physical Education majors only or approval of instructor.) **Field experience is required.** A course designed to provide students with the information necessary to understand, evaluate, and develop programs of physical activities to meet the special needs, interests, and abilities of exceptional children and youth. Class will interact with exceptional students at field sites.

HPE 354 Contemporary Health and Physical Education Activities. 3 Semester Hours. (Also listed as PSHA 354.)
This course introduces the student to the basic concepts of optimal health and physical activity, with the primary emphasis being on healthy lifestyle. The course is designed around such topics as basic health and lifestyle concepts; including such things as accident prevention, stress management, and smoking cessation. In addition, nutrition topics and basic physical fitness concepts will be discussed and students will engage in a variety of physical activities. A variety of topics will be discussed including: the role of physiological and psychological health, stress factors, physical fitness, nutrition, weight control, products of dependence, infectious diseases, and lifestyle choices.

HPE 355 Health-Related Fitness and Nutrition. 3 Semester Hours. Field experience is required. (Meets Area V Health and Physical Education requirement for education majors with approval of instructor.) A course dealing with the development of cardiovascular endurance, muscle strength, flexibility, nutrition, and appropriate body composition as these elements contribute to health-related fitness. The course also provides the student with the opportunity to participate in an exercise program which emphasizes cardiovascular endurance, muscular strength, and flexibility.

HPE 356 Health Promotions. 3 Semester Hours.
This course aims to provide students with competencies to assess individual and community needs, plan and implement health education programs, and evaluate effectiveness of health education programs. This seminar concentrates on the most fundamental of all health education skills - the ability to develop, plan, fund/budget, implement, and evaluate programs. Skills most emphasized in this class are needs assessment and program evaluation. To facilitate progress toward the different professional objectives of students, students are encouraged to discuss throughout the semester their own program development projects.

HPE 400 Organization and Administration of Physical Education. 3 Semester Hours. (Recommended for Physical Education majors only.) **Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic theoretical and understanding of basic theoretical and practical information about specific aspects of the process of organizing and administering both physical education and athletic programs. The course will emphasize a number of management topics, including: role of management, patterns of management structure, components of sound programs, budget design, and program evaluation.

HPE 401 Measurement and Evaluation of Physical Education. 3 Semester Hours. (Also listed as PSHA 401.)
Prerequisite: For students seeking Health and Physical Education certification, this course requires admission to the Teacher Education Program. **Field Experience is required.** This course is designed for the purpose of providing Health Education, Physical Education, Health and Wellness Management, and Public Safety and Health Administration majors with opportunities to increase their knowledge and understanding of techniques utilized to administer, score, and analyze the results of health science, health and safety administration, human performance, and physical education tests. A number of topics will be considered, including basic statistical concepts, techniques utilized in test administration, techniques utilized in data collection, and techniques utilized in data analysis. Field experience is required.

HPE 420 Teaching Health in the High School. 3 Semester Hours. (Recommended for students seeking an additional health endorsement.) ***Prereqnisite: Requires admission to the Teacher Education Program.*** Emphasis is placed on approved teaching techniques, theories of learning, characteristics and health risks of high school students, planning for instruction, instructional management, and selection of learning activities. Lesson planning and unit construction are an important part of this course. Field experience is required.

HPE 427 Principles of Exercise Prescription and Assessment. 3 Semester Hours. (Lab fee.) (Recommended for Wellness Majors only or approval of instructor.) ***Prerequisites: Biology, Human Anatomy and Physiology, Physiology of Exercise.*** A course designed to provide the student with an opportunity to increase knowledge and practical experiences in exercise prescription and health fitness assessment. The course will emphasize strategies and procedures for the implementation of human performance concepts, including the design of health fitness and exercise programs for healthy individuals as well as for individuals with health complications.

HPE 429 Early Childhood and Elementary Physical Education Curriculum. 3 Semester Hours
This course is designed to provide early childhood, elementary, and physical education majors with an understanding of how movement education relates to an individual child's personal development—intellectually, emotionally, socially, and physically.This course will prepare teacher candidates to plan age-appropriate physical activities and design developmentally appropriate motor skill experiences for young children. Pedagogical principles and instructional techniques in physical education will be incorporated with emphasis on fundamental movement and movement concepts taught through the contexts of rhythms and dance, games, and gymnastics.

HPE 430 Teaching Physical Education in the Elementary School. 3 Semester Hours. (Lab fee.) (Recommended for Physical Education majors only.) ***Prerequisite: Three of the following analysis courses: HPE 321, 322, 323, 324 and admission to the Teacher Education Program.*** **Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of source materials, plan and organize instruction, select suitable activities, and prepare teaching units and lesson plans for physical education in the elementary school. The course will provide the candidates with an opportunity to select, construct, and administer student assessment instruments, observe and analyze movement, and recognize and evaluate teacher effectiveness. In addition, the course will also provide the student with an opportunity to design and implement a sequential physical education program based on tbe *Alabama Course of Study* and implement lessons in a variety of school settings.

HPE 431 Motor Development and Physical Activities. 3 Semester Hours. ***Prereqnisite: Child Psychology or equivalent.*** The influence of various tissues (i.e., muscle, bone, adipose), and coordinated neural function are central concerns of this course. Physical activities intended to enhance the physical and motor growth and development of young children are examined. The relationship of physical and motor growth and development to all other aspects of buman development is studied.

HPE 440 Teaching Physical Education in the High School. 3 Semester Hours. (Lab fee.) ***Prereqnisite: Three of tlie following analysis courses: HPE 321, 322, 323, 324 and admission to the Teacher Education Program.*** **Field experience is required.** Tbis course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of source materials, plan and organize instruction, select suitable activities, and prepare teaching units and lesson plans for physical education in the high school. Tbe course will cover the following topics: role of physical education in tbe high school, characteristics of bigh school students, planning for instruction, instructional management, and selection of learning activities. Candidates will be provided with opportunities to teach physical education classes to public school students.

HPE 450 Introduction to Epidemiology. 3 Semester Hours. (Also listed as HS 450.) **Recommended for students seeking an additional health endorsement. Field experience is required.** Epidemiology is tbe study of tbe distribution of disease and other helath events in a population. This course will discuss the general field of epidemiology, but will focus on bebavioral epidemiology, specifically the field of physical activity epidemiology. Students in this course will learn how the metholds of epidemiology are being used to scientifically confirm that pbysical inactivity is a burden on public health and what can be done about it.

HPE 460 Directed Study/Research in Physical Education. 1-3 Semester Hours. To be offered on occasion of student need and may be taken one to three times.

HPE 465 Senior Research Project. 4 Semester Hours.
Provides grant writing experience, opportunities to learn of advanced health certification and employment options, as well as practical data collection procedures. Field experience is required.

HPE 480 Wellness Internship in Physical Education. 9 Semester Hours. (Lab fee.)
To be offered as an internsbip. Students are supervised by college faculty at community sites for fourteen weeks.

HPE 488 Internship in Physical Education, P-12. 9-12 Semester Hours. (Lab fee.) ***Prerequisite: Senior standing and admission to the Teacher Education Program.*** **Seminar attendance is required.** Fifteen-week internship program for physical education with seven weeks in an elementary school and seven weeks in a secondary scbool. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor.

HPE 490 Internship in Health Education, 6-12. 9 Semester Hours. (Lab Fee). ***Prerequisite: Senior standing, admission to the Teacher Education Program and satisfactory completion of all TEP courses.*** **Seminar attendance is required.** Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under tbe guidance of a cooperating teacher and supervision by a University supervisor.

Health Science (HS) Courses

HS 320 Biomedical Ethics. 3 Semester Hours. (Also listed as PH 320.)
The course is designed to create a greater understanding of modern ethical issues in the biomedical field. Key topics will include: research on human and animal subjects, stem-cell research, genetic engineering, abortion, euthanasia, issues of justice, healthcare access, and confidentiality. The course begins with an overview of ethical theory and principle, and then explores the practical issues relating to biomedical ethics.

HS 400 Public Safety and Health Education. 3 Semester Hours. (Also listed as PSHA 400.)
This course surveys the development and current state of training and education for selected safety and bealtb related professions and "paraprofessional" fields. Tbe focus of the course will be on the development of professional education in allied health and safety fields, and students will be able to pursue research regarding education and training programs from particular safety and health disciplines and paraprofessional fields.

HS 447 Public Health Concepts and Systems. 3 Semester Hours. (Also listed as PSHA 447.)
This course is designed for the purpose of providing students with opportunities to increase their knowledge and understanding of the public health system and tbe critical issues facing today's public healtb agencies.

HS 450 Introduction to Epidemiology. 3 Semester Hours. (Also listed as HPE 450.) **Recommended for students seeking an additional health endorsement. Field experience is required.** Epidemiology is the study of the distribution of disease and other health events in a population. This course will discuss the general field of epidemiology, but will focus on behavioral epidemiology, specifically the field of physical activity epidemiology. Students in this course will learn how the methods of epidemiology are being used to scientifically confirm that physical inactivity is a burden on public health and what can be done about it.

HS 451 Environmental Health and Safety Systems. 3 Semester Hours. (Also listed as PSHA 451.)
This course is intended to be an in-depth examination of the creation, development, and operations of governmental processes and agencies at all levels concerned with environmental protection concepts, rule and standard-making, and enforcement. Particular focus will be placed on those agencies and laws that impact the operations of emergency responders.

Humanities (HU) Courses

HU 311 Beginning French Conversation I. 3 Semester Hours.
Designed for students with no previous expertise in French, this course is intended to enable the student to recognize and speak French in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in French-speaking countries or communities.

HU 312 Beginning French Conversation II. 3 Semester Hours. ***Prerequisite: HU 311 or equivalent.*** A continuation of Beginning French Conversation I, this course is intended to enhance the student's ability to recognize and speak French in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in French-speaking countries or communities.

HU 313 Beginning Spanish Conversation and Culture I. 3 Semester Hours.
Designed for students with no previous expertise in Spanish, this course is intended to enable the student to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in Spanish-speaking countries or communities.

HU 314 Beginning Spanish Conversation and Culture II. 3 Semester Hours. ***Prerequisite: HU 313 or equivalent.*** A continuation of Beginning Spanish Conversation I, this course is intended to enhance the student's ability to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in Spanish-speaking countries or communities.

HU 315 Beginning Japanese Language and Culture I. 3 Semester Hours.
Designed for students with no previous expertise in Japanese. This course is intended to enable the student to recognize and speak basic Japanese and to gain an appreciation of Japanese culture. Emphasis is on language skills necessary for conducting business and for successful mobility in Japanese communities.

HU 316 Beginning Japanese Language and Culture II. 3 Semester Hours. ***Prerequisite: HU 315 or equivalent.*** A continuation of Beginning Japanese Language and Culture I. This course is designed to enhance the student's ability to recognize and speak Japanese in a practical manner and to expand the student's knowledge and appreciation of Japanese culture. Emphasis is on the language skills necessary for conducting business and successful mobility in Japanese communities.

HU 321 Research Sources and Skills. 1 Semester Hour.
This course familiarizes the student with the online catalog, periodical databases, and basic reference sources in a variety of formats. The course focuses on efficient research strategies, evaluation of source material, and appropriate techniques for documenting sources. It is applicable to all subject areas and lifelong learning.

HU 330 Landmarks of Civilization. 3 Semester Hours. (Also listed as HY 330). (Occasional lab time is required.)
Classical World to present. A review of selected examples of man's creative achievements in drama, literature, philosophy, art, and music. This course is designed to demonstrate the integration of human knowledge. Stresses expository writing and critical thinking.

HU 341 Community Concert Band. 1 Semester Hour.
This course offers rehearsal and performance opportunities in a concert band composed of college students and community members. The band performs traditional symphonic band literature and rehearses once a week for one and one-half hours.

HU 450 Liberal Studies Capstone Seminar. 1 Semester Hour.
This capstone seminar for Liberal Studies, which must be taken during the students' final semester as a senior, will consist of writing and information literacy assignments that will serve to bring a focus to each individual student's experience as a Liberal Studies major.

History (HY) Courses

HY 301 Social Science Research Methods. 3 Semester Hours. (Also listed as PO 301 and SS 301.) (Required of B.S.Ed. degree-seeking History and Social Science majors; may not be taken by B.A. degree-seeking history major.) Should be taken at the beginning of the junior year. A course designed to develop the techniques of social science research and to explore varying historical interpretations.

HY 302 Alabama History. 3 Semester Hours.
The history of Alabama and its southern heritage from early times to the present. Study of present day problems and an examination of the space age as it has effected Alabama's development are included.

HY 303 The South In United States History. 3 Semester Hours.
A study of the post-Reconstruction South. A survey of its historical, economic, and social development as a distinct region of the United States.

HY 304 Revolutionary America. 3 Semester Hours.
A survey of Anglo-American colonial history, revolutionary developments, and the writing and ratification of the Constitution of the United States.

HY 305 American Expansion in the 19th Century. 3 Semester Hours.
This course covers the early years of the republic rise of sectionalism, and the forces of industrialization, urbanization, and immigration in United States history. Also explored is westward migration, the quest for social justice including the major reform movements of the century and the interdependence of the people of the United States.

HY 306 20th Century America. 3 Semester Hours.
An examination of the political, social, cultural, and economic developments in 20th-century America. Emphasis is placed on the Progressive Movement, role of the United States in world affairs, the Interwar period, and developments after World War II, particularly the Vietnam Era and its aftermath.

HY 307 American Constitutional Law. 3 Semester Hours. (Also listed as PO 307 and JS 307.)
This course examines the text of the nation's primary law and key decisions of the U.S. Court interpreting certain phrases. Organization and operation of the Court are also covered. This course focuses on separation of powers, federalism, interstate commerce, taxation, the contract clause and the takings clause. This course provides a foundation in American constitutionalism for students who plan to attend law school or teach social studies in the secondary schools.

HY 308 America and the World. 3 Semester Hours. (Also listed as PO 308.)
Examines America's foreign relations with the main geographical regions of the world, including issues that affect human survival, such as energy crisis, disarmament, foreign aid, and economic cooperation.

HY 309 American Civil War and Reconstruction. 3 Semester Hours.
Causes, events, and results of the Civil War. Also political, economic, and social aspects of reconstruction.

HY 310 A History of American Religion. 3 Semester Hours.
The role of religion in America's development is the focus of this course. Each period from European settlement to the triumph of the people over their land at the end of the 19th century and through the tribulations of the two World Wars is examined. Theology is explored only when it directly explains particular historical events.

HY 311 Age of the Reformation, 1350 - 1610. 3 Semester Hours. (Also listed as RE 311.)
This course is a survey of the history of church and state in Europe from the Great Schism through the Protestant Reformation to the eve of the Thirty Years War.

HY 312 Early Modern Europe, 1610-1789. 3 Semester Hours.
This course is a survey of European history during the seventeenth and eighteenth centuries including the Scientific Revolution, the establishment of the great empires of trade, the Enlightenment, and the rise of Russia.

HY 313 Revolutionary Europe. 3 Semester Hours.
A study of the background and the events of the French Revolution and the Napoleonic Period (1789-1815). Emphasizes the revolutionary wellsprings of the contemporary Western world.

HY 314 19th Century Europe. 3 Semester Hours.
A study of the social, political, and industrial forces which shaped modern Europe between 1815 and 1914. Particular attention is given to the development of large state and business bureaucracies, the spread of industry and steam transportation, European imperialism, the rise of totalitarian ideologies, and the increase in popular participation in political and social events.

HY 315 20th Century Europe. 3 Semester Hours.
The major themes of the course are the rise and demise of totalitarian dictatorships, the continued spread of democracy, the appearance of the welfare state, and the general improvement of the European standard of living since 1918.

HY 321 England and Britain to 1688. 3 Semester Hours.
This course covers British history from the Roman occupation to the Glorious Revolution with emphasis on the development of the English people and state.

HY 322 England and Britain. 3 Semester Hours.
A survey of English and British history from 1688 to the present. Encompasses political, constitutional, socioeconomic, cultural, intellectual, and imperial movements.

HY 323 Tudor and Stuart Britain, 1485-1714. 3 Semester Hours.
This course is a survey of the political, religious, social and economic history of England and the British Isles during the sixteenth and seventeenth centuries.

HY 324 Nazi Germany. 3 Semester Hours.
The course is designed to provide students with a comprehensive, sophisticated account and analysis of the Nazi period in German history. It will explore issues related to the content and implications of Nazi ideology, the role of Hitler, the complicity of elites such as the Junkers, the military the churches and big business. The course will examine the origins both of the Nazi movement and of the conditions in Germany that led to the movement's rise to power. It will provide a detailed analysis of the consequences of the implementation of Hitler's policies in the forms of genocide, military conquest, and defeat.

HY 325 America's Vietnam War. 3 Semester Hours. (Can be used to satisfy the American or Non-Western requirement for a B.A. or minor in history.) This course explores America's experience in Vietnam from the 1940s to the 1970s in depth. This course grapples with this strange and terrible war as it attempts to answer questions such as, why did the United States make such a vast commitment to a part of the world with such little importance to its own national interests, what was the United States trying to accomplish in Vietnam, and why did the United States fail to fulfill its intentions in Vietnam.

HY 330 Landmarks of Civilization. 3 Semester Hours. (Also listed as HU 330.) (Occasional lab time is required.) (Does not satisfy the requirements for a B.A. or minor in history.) Classical World to present. A review of selected examples of man's creative achievements in drama, literature, philosophy, art, and music. This course is designed to demonstrate the integration of human knowledge. Stresses expository writing and critical thinking.

HY 332 History of American Business. 3 Semester Hours. (Also listed as GBA 332.)
This course familiarizes the student with the major developments in the history of American business since colonial times. Particular emphasis is given to the evolution the firm and the role of entrepreneurs.

HY 334 Middle East. 3 Semester Hours. (Can be used to satisfy the Non-Western requirement for a B.A. or minor in history.) A survey of the historical and cultural characteristics of those countries from Mauritania and Morocco to Afghanistan. Emphasis is placed on the historical development and Arabization of the region, current socio-economic problems, the strategic significance of the area, and its relations to the rest of the world.

HY 335 Past Imperfect: A Study of World War II Film and History. 3 Semester Hours.
This course is designed to introduce the student to the topic of film and history. Attention will focus on World War II with a selection of representative prewar, wartime, and postwar films.

HY 336 A History of Criminal Justice. 3 Semester Hours. (Also listed as JS 336.) (Does not satisfy the requirements for a B.A. or minor in history.) The subject of this course is the historical development of American criminal justice philosophy, institutions, and practices in the political, cultural, and social context of the Western world and the United States from ancient Hebraic Law to the present. Emphasis is on the contribution and effect of the Enlightenment, Puritanism, American Revolution and Constitution, and Frontier experience on the origins and evolution of the American administration of justice.

HY 340 South America, Africa, and Asia. 3 Semester Hours. (Also listed as GO 340.) (Can be used to satisfy the Non-Western requirement for a B.A. or minor in history.) This course stresses the major events in the historical development of South America, Africa, and Asia. In addition to ancient empires and culture, considerable attention is given to colonization, independence, historical figures, and current events in each region.

HY 342 Modern Russia. 3 Semester Hours. (Formerly titled Russia and Eastern Europe.) (Can be used to satisfy the Non-Western or European requirements for a B.A. or minor in history.) Examines the history, geography, and current political systems in the Russia.

HY 350 Warfare in the Western World. 3 Semester Hours.
This course covers the history of military operations in the West from the 17th century to the present with concentration on selected campaigns in major wars, political and military leadership and the waging of war, and the formulation of war aims and strategy.

HY 351 Columbus and the Age of Discovery, 1400-1600. 3 Semester Hours. (Can be used to satisfy the American, European, or Non-Western requirements for a B.A. or minor in history.) This course is a survey of European contacts with and explorations of Africa, the Americas, and Asia during the fifteenth and sixteenth centuries.

HY 401 American History Seminar. 3 Semester Hours.
The seminar will survey recent literature covering American history and allow the student to pursue a particular topic indepth.

HY 402 European History Seminar. 3 Semester Hours.
The seminar will survey recent literature covering modern European economic and political history. Its emphasis will be on major research projects by the students.

HY 414 Modern Africa. 3 Semester Hours.
An exploration of sub-Sahara Africa from the beginnings of European Colonization. Emphasis is focused on the effects of World War II on the region including the rise of black nationalism, the region's special mineral offerings and their influence on global developments, the Cold War, and Independence movements particularly in Zimbabwe, Zaire, and South Africa.

HY 441 Special Topics in History. 1 Semester Hour. ***Prerequisite: Consent of the instructor.***
To be offered in accordance with student demand or need.

HY 442 Special Topics in History. 2 Semester Hours. ***Prerequisite: Consent of the instructor.***
To be offered in accordance with student demand or need.

HY 443 Special Topics in History. 3 Semester Hours. ***Prerequisite: Consent of the instructor.***
To be offered in accordance with student demand or need.

HY 450 Materials and Methods of Teaching History and Social Sciences in Middle School/High School. 3 Semester Hours. (Also listed as SS 450.) ***Prerequisite: Full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship.*** Senior methods portfolio must be submitted during this class. Field experience required. This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities in teaching history and social sciences and to select and use appropriate materials and equipment. Knowledge of the history and social sciences curriculum and middle and high school student characteristics will be increased. Students will actively participate in demonstrating and modeling strategies and techniques. The role of research will be emphasized. Does not satisfy requirements for any history major, minor, or general studies.

HY 451 Senior History Seminar. 3 Semester Hours.
This capstone course which must be taken during students' senior year, will provide students with an introduction to the main currents of historical scholarship in the modern era. We will examine various approaches to the past, the ways historical interpretations have changed, and how those changes are related to contemporary concerns. Upon successful completion of this course, students will understand how to formulate a thesis, gather and assess historical evidence, structure a research paper, and orally present the findings of their research. Like all hist ory classes at Athens State University, this one increases students' awareness of our cultural heritage and helps them develop the research abilities for graduate work.

Information Systems Management (ISM) Courses

ISM 400 Information Systems Management. 3 Semester Hours. ***Co-requisite: MG 302.***
This course provides an introduction to the language, concepts, strucTures and processes involved in the management of information systems including fundamentals of computer-based technology and the use of business-based software for support of managerial decisions. Emphasis is placed on managing information using databases.

ISM 401 Systems Design Management. 3 Semester Hours. (Lab fee.) ***Prerequisite: MG 302 or equivalent.***
An introduction to the development of computer-based information systems in organizations. The knowledge gained through this course includes: the management of systems development projects; the organizational, political, social, and technical issues in systems development; the methods of development commonly used in organizations; and MIS careers in systems development. Students will learn the value of working in teams on systems analysis and design tasks, to use common modeling methods and technology, and to prepare system requirements and design documents. Emphasis is on management issues of systems analysis and design.

ISM 402 Decision Systems Management. 3 Semester Hours. ***Prerequisite: MG 303 or equivalent.***
This course covers the programming and design skills needed to build spreadsheet-based decision support systems (DSS). Students will develop spreadsheet models to solve a number of common management science problems. To be offered on occasion of student demand or need.

ISM 403 Data Communications Management. 3 Semester Hours. (Also listed as CS 403.) ***Prerequisite: MG 302 or equivalent.***
This course provides the student with an understanding of the concepts and methods associated with telecommunications and distributed information systems. Students learn the fundamentals of data communications, including network architectures, communication protocols, transmission standards and media access control methods.

ISM 404 Managing Information Resources. 3 Semester Hours. ***Prerequisite: MG 302 or equivalent.*** Note: This class is designed to be taken at the end of the student's program of study. A survey of managerial and technical issues facing IS professionals. Class discussions focus on understanding how different organizations respond to the challenges of distributed processing, business process reengineering, managing the data utility, maintaining legacy systems, and other current trends. Analytical and communication skills are emphasized along with management issues.

ISM 405 Interface Design Management. 3 Semester Hours. ***Prerequisite: MG 302 or equivalent.***
This course introduces students to theories of human-computer interaction as well as the principles and practices of user interface design, evaluation, and integration. Topics covered include command, menu, and direct manipulation interfaces. Using a visual design tool such as Visual Basic, students develop an actual user interface. Emphasis placed on management aspects of GUI design.

ISM 407 Global Information Management. 3 Semester Hours. ***Prerequisite: MG 302 or equivalent.***
This course addresses the role of information technology in global business organizations and the challenges in building and managing information systems to enable global operations from a management perspective.

ISM 408 E-Commerce Systems Management. 3 Semester Hours. ***Prerequisite: MG 302 or equivalent.***
This course examines electronic methods of delivering products, services, and exchanges in inter-organizational, national, and global environments. Information technology strategy and technological solutions for enabling effective business processes are considered.

ISM 441 Special Topics in Information Systems Management. 3 Semester Hours. ***Prerequisite: MG 302 or equivalent.***
This course explores current, advanced topics in Information Systems that are not covered in other courses. To be offered on occasion of student demand or need.

Instrumentation (IT) Courses

IT 306 Interfacing Techniques. 4 Semester Hours. (Lab fee.) ***Prerequisite: Microprocessor fundamentals.***
This course is designed to have students become familiar with interfacing input and output devices to microprocessor and computer interfacing systems. Students should already have some knowledge of microprocessor operation and fundamentals. Students will be involved in individual and team assignments in design, construction, and implementation of interfacing systems.

IT 316 **Applied Digital Design. 4 Semester Hours.** (Lab fee.) ***Prerequisite: Introductory digital electronics.***
During the course, the tools of digital design will be developed, and then these tools will be used to investigate problems in digital design with computers and large-scale solutions to digital problems. The course will also cover the use of devices, such as programmable logic devices (PLD's), in digital problems and design.

IT 320 **Math Methods for Instrumentation. 4 Semester Hours.** (Lab fee.) ***Prerequisite: Calculus II.***
Designed to introduce student to advanced mathematical methods necessary for understanding complex instrumentation systems. Includes introductions to complex numbers, Laplace transforms, Fourier analysis, and elementary statistical analysis.

IT 400 **Advanced Analog Instrumentation. 4 Semester Hours.** (Lab fee.) ***Prerequisite: IT 320 and PY 302.***
This course is designed to familiarize the student with theories and methods used in analyzing and understanding complex electronic systems. Students are expected to be already familiar with basic circuit analysis, basic physics, and the elements of calculus. During the course, the fundamentals of circuit analysis will be reviewed, and then more advanced topics and methods of analysis will be introduced.

IT 401 **Applied Data Communications. 4 Semester Hours.** (Lab fee.) ***Prerequisite: Introductory electronics courses.***
This course is designed to familiarize the student with the basic systems and concepts used in electronic communication systems. The mathematical techniques used in the course include algebra, geometry and trigonometry, and may introduce and employ some basic concepts of calculus.

IT 420 **Electro-optics. 4 Semester Hours.** (Lab fee.) ***Prerequisite: IT 320 and PY 303.***
This course investigates electro-optical techniques and systems. This will include discussions of: electromagnetic waves, the optical spectrum, the modern theory of light, interaction of light with matter (geometrical and physical optics), optical sources (including LEDs and lasers), optical detectors, and electro-optic systems, such as fiber-optic systems and optical data storage. Course content will be based on the text and on lecture notes taken from a variety of sources.

IT 425 **Introduction To Robotics. 4 Semester Hours.** (Lab fee.) ***Prerequisite: IT 320 and PY 302.***
This course is designed to familiarize the student with the basic systems and concepts used in robotic control. A major component of the course will require students to develop and implement group projects using the various robotic systems.

IT 440 **Process Control Instrumentation. 4 Semester Hours.** (Lab fee.) ***Prerequisite: Senior standing and consent of instructor.***
This course is designed to familiarize the student with the basic systems and concepts used in process control. Topics will include signal conditioning, sensors, and controllers.

IT 441 **Computer Instrumentation. 4 Semester Hours.** (Lab fee.) ***Prerequisite: IT 440.***
This course is designed to familiarize the student with the basic concepts used in computer control and instrumentation. This course will require students to develop and implement group projects using the LabVIEW data acquisition system.

IT 461 **Directed Study/Special Instrumentation Project. 1 Semester Hour.** ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

IT 462 **Directed Study/Special Instrumentation Project. 2 Semester Hours.** ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

IT 463 **Directed Study/Special Instrumentation Project. 3 Semester Hours.** ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

IT 464 **Directed Study/Special Instrumentation Project. 4 Semester Hours.** ***Prerequisite: Consent of academic unit coordinator and/or instructor.*** To be offered on occasion of student demand or need.

Justice Studies (JS) Courses

JS 301 **Criminal Justice Process. 3 Semester Hours.**
An overview of the major steps in the processing of a criminal case in the United States, including pretrial, trial, and post-conviction phases.

JS 302 **Criminal Law. 3 Semester Hours.** (Also listed as PO 302.)
Definitions of crimes to include the specific elements of various criminal offenses. Defenses to criminal conduct also are discussed.

JS 307 **American Constitutional Law. 3 Semester Hours.** (Also listed as HY 307and PO 307.)
This course examines the text of the nation's primary law and key decisions of the U.S. Supreme Court interpreting certain phrases. Organization and operation of the Court are also covered. This course focuses on separation of powers, federalism, interstate commerce, taxation, the contract clause and the takings clause. This course provides a foundation in American constitutionalism for students who plan to attend law school or teach social studies in the secondary schools.

JS 326 **International and Domestic Terrorism. 3 Semester Hours.** (Also listed as PO 326.)
This course examines the threat of international and domestic terrorism. There is an emphasis on the people and groups involved in international terrorism; the goals and ideology of the terrorists; major terrorist events; the global war on terrorism; homeland security; and strategies for containing and defeating the terrorist threat.

JS 336 **A History of Criminal Justice. 3 Semester Hours.** (Also listed as HY 336.)
The subject of this course is the historical development of American criminal justice philosophy, institutions, and practices in the political, cultural, and social context of the Western world and the United States from ancient Hebraic law to the present. Emphasis is on the contribution and effect of the Enlightenment, Puritanism, American Revolution and Constitution, and frontier experience on the origins and evolution of the American administration of justice.

JS 350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as SO 350, PSHA 350, and PO 350.)
This course is a review of basic legal doctrines and processes in the U.S. system of jurisprudence. Students are introduced to a wide variety of topics in civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide prelaw majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.

JS 364 Civil Liberties. 3 Semester Hours. (Also listed as PO 364.)
Analysis of leading cases and doctrines which balance governmental/societal interests with individual rights across a broad spectrum of social relationships. Explores the constitutional foundations for freedom of expression, due process, and equal protection under the law.

JS 400 Law Enforcement In America. 3 Semester Hours.
An in-depth examination of American policing. Includes history, structure, functions, processes, and administrative issues of contemporary law enforcement agencies/systems.

JS 401 Adult Corrections. 3 Semester Hours. (Also listed as SO 401.)
Prerequisite: Introduction to Sociology. Socioeconomic facets of crime and principles and practices of delinquency, probation, and parole. Interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed.

JS 446 Public Safety Concepts and Systems. 3 Semester Hours. (Also listed as PSHA 446.)
This course examines the organizational structure and historical development of government, quasi-governmental, and non-governmental systems and agencies concerned with the delivery of public safety services. Also, this course presents current issues that impact public safety agencies.

JS 452 Advanced Criminology. 3 Semester Hours. (Also listed as SO 452.)
Prerequisite: Introduction to Sociology. Analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation.

JS 453 Juvenile Delinquency. 3 Semester Hours. (Also listed as SO 453.)
Prerequisite: Introduction to Sociology. The course applies a sociological approach to analyzing juvenile delinquency. While recognizing a variety of the causes (physiological, psychological, and social) of juvenile delinquency, this approach focuses on the impact of societal conditions on juvenile delinquency. The course combines a theoretical and an empirical emphasis.

JS 455 Public Administration Ethics. 3 Semester Hours. (Also listed as PO 455 and PSHA 455).
Examines ethical issues encountered by administrators of government agencies. More specifically, this course explores the application of codes of ethics, theories of ethical decision-making, and ethical principles affecting public administration.

JS 460 Directed Studies in Justice Studies. 1 Semester Hour. Consent of instructor required.

JS 462 Directed Studies in Justice Studies. 2 Semester Hours. Consent of instructor required.

JS 463 Directed Studies in Justice Studies. 3 Semester Hours. Consent of instructor required.

JS 464 Internship in Justice Studies. 3 Semester Hours. Consent of instructor required.
This course provides an opportunity for students to gain experience in a Justice Studies career field under the guidance of a faculty and agency supervisor.

JS 465 Senior Research Project. 4 Semester Hours.
This course provides a capstone experience for senior Justice Studies majors. It is available only to Justice Studies majors and must be taken during their last term in the degree program. The course consists of four elements: (1) an observation experience at an office or agency engaged in the application of theories and concepts in a subfield of Justice Studies; (2) an issue paper on a contemporary issue facing criminal justice leaders at the national, state, or local levels and presentation of this research to selected full-time faculty at Athens State University; (3) a supervised review of selected professional literature, and (4) a sufficient score on an externally validated exit exam. Students should consult with their academic advisor **prior** to registration for this course.

Logistics and Supply Chain Management (LSM) Courses

LSM 301 Introduction to Logistics. 3 Semester Hours.
This course provides the student with an overview of the logistics management concepts to include developing and integrating models of procurement, transportation, warehousing, materials handling and storing materials and information throughout the supply chain. Also included is the relationship of the acquisition process to the supply chain. Knowledge of Excel and Access is required.

LSM 310 Introduction to Supply Chain Management. 3 Semester Hours.
This course introduces the student to supply chain management where key concepts are presented along with the application of these concepts using case studies. Concepts include forecasting, inventory management, materials flow and handling, transportation, warehousing, purchasing, global logistics, customer service, information systems, and strategy relative to LSM.

LSM 320 Logistics and Transportation. 3Semester Hours.
This course provides an introduction to concepts and technology that is associated with the planning and management of logistics activities. Areas that will be discussed will include inventory management, warehousing, transportation, customer service, and the technology and information systems that are necessary for appropriate decision-making.

LSM 330 Logistics and Supply Chain Management in the Global Environment. 3 Semester Hours
This course examines issues in managing supply chains in both the current economy and the global environment by analyzing the logistics strategies and processes necessary to ensure students understand the design and operation of global supply chain networks. In addition, the course analyzes the principles of logistics activities in the global environment with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, and similar issues.

LSM 353 Project Management. 3 Semester Hours. (Lab fee.) (Also listed as MG 353)
An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.

LSM 401 Logistics and Supply Chain Models and Systems. 3 SemesteHours.
This course investigates the role of information management and decision support methods in the planning and management of supply chains and related processes. Specific areas include ERP systems, techniques and methods used in operations management; process analysis, network analysis, and the application of simulation and other technology systems.

LSM 410 Logistics and Supply Chain Strategy. 3 Semester Hours.
This course requires students to integrate concepts learned in an analysis of a logistical problem or issue and present a recommendation to solve the issue. This course is considered the capstone experience. Students will demonstrate proficient oral and written communication skills, decision-making abilities, problem solving skill, leadership and team skills, and a knowledge of current logistics and supply chain management issues.

Mathematics (MA) Courses

MA 301 Pre-Calculus Algebra. 3 Semester Hours. (Lab fee.) ***Prerequisite: Intermediate College Algebra or College Algebra or equivalents with a grade of C or higher. For students preparing to take the calculus sequence.***
Topics covered include a review of the real number system and operations with algebraic expressions, solving equations and inequalities, functions and graphs, rational and polynomial functions, and applications to a wide variety of fields such as biology and business.

MA 302 Pre-Calculus Trigonometry. 3 Semester Hours. (Lab fee.) ***Prerequisite: MA 301 or its equivalent with a grade of C or higher. For students preparing to take the calculus sequence.*** Topics covered include trigonometric and inverse trigonometric functions, exponential and logarithmic functions, solving transcendental equations, complex numbers, DeMoivre's Theorem, polar coordinates, and applications to a wide variety of fields.

MA 303 Calculus I. 4 Semester Hours. (Lab fee.) ***Prerequisite: MA 301 and MA 302 (or equivalents) with a grade of C or higher.***
Topics include a review of functions, an introduction to limits, differentiation, applications of differentiation, and an introduction to integration.

MA 304 Calculus II. 4 Semester Hours. (Lab fee.) ***Prerequisite: MA 303 or its equivalent with a grade of C or higher.***
The second course of the three-semester sequence. Topics include applications of integration, techniques of integration, sequences, series, polar coordinates and parametric equations.

MA 305 Calculus III. 4 Semester Hours. (Lab fee.) ***Prerequisite: MA 304 or its equivalent with a grade of C or higher.***
The final course of the three-semester sequence. Topics include vectors, vector calculus, partial derivatives, gradients, multiple integrals and line integrals.

MA 308 Discrete Mathematics. 3 Semester Hours. (Lab fee.) ***Prerequisite: MA 301 or MA 302 (or equivalents) with a grade of C or higher.***
Topics include an introduction to various topics in discrete mathematics including the study of sets, logic, relations, functions, counting techniques, graphs, trees, elementary propositional logic and proof techniques, and mathematical induction.

MA 309 Business Calculus. 3 Semester Hours. (Cannot be used to satisfy requirement for upper-level mathematics elective.) (Lab fee.) ***Prerequisite: MA 301 or its equivalent with a grade of C or higher.*** Topics include a review of algebraic, exponential and logarithmic functions; and algebraically based approach to limits, derivatives and applications of differential calculus within professional business environments.

MA 310 Matrices and Linear Algebra. 3 Semester Hours. ***Prerequisite: MA 301 or its equivalent with a grade of C or higher.***
Topics include elementary theoretical, mechanical and applied approaches to linear systems of equations, matrices, determinants, eigenvalues and eigenvectors, vector spaces, bases and linear transformations.

MA 311 Advanced Mathematics for Teachers. 3 Semester Hours. (Lab fee.) (Cannot be used to satisfy requirement for upper-level mathematics elective.) ***Prerequisite: At least one college-level mathematics course.*** Develops greater mathematical skills and insight. Introduces student to topics in numeration systems, elementary number theory, problem solving, introduction to probability theory, statistics, and geometry.

MA 314 College Geometry. 3 Semester Hours. ***Prerequisite: MA 308 or its equivalent with a grade of C or higher.*** Foundations of Euclidean geometry to include geometric construction and properties of regular polygons and circles. Based on logical statements and formal proofs.

MA 316 Vector Analysis. 3 Semester Hours. ***Prerequisite: MA 305.*** Vector algebra, vector operations, vector functions, scalar and vector fields, divergence, curl, Laplacian, line and surface integrals, orthogonal curvilinear coordinates, divergence theorem, Stoke's and Green's theorems.

MA 320 Introduction to Abstract Algebra. 3 Semester Hours. ***Prerequisite: MA 308 or its equivalent with a grade of C or higher.*** Topics include review of sets, relations and functions, elementary number theory axiomatic approach to groups, subgroups and cosets, homomorphisms and their properties, and an introduction to rings.

MA 330 Advanced Mathematical Software. 3 Semester Hours. (Cannot be used to satisfy requirement for upper-level mathematics elective.) ***Prerequisite: MA 303, 304, 305 or equivalent calculus sequence, and knowledge of computer programming.***
This class teaches the use of mathematical software (MAPLE). Emphasis is placed both on solving problems from the calculus and appropriately presenting the results. Techniques will be taught which will ultimately increase productivity in the workplace and provide insight for research.

MA 331 Applied Probability and Statistics. 3 Semester Hours. ***Prerequisite: MA 301 and/or MA 308 (or equivalents) with a grade of C or higher.*** This is a non-calculus based introduction to basic probability used for statistical inference, including discrete functions like the Binomial, and continuous functions like the normal; proper simple data collection methods; calculating and the use of descriptive statistics; basic statistical inference including confidence intervals, hypothesis testing, one-way ANOVA (analysis of variance), and Pearson's Chi-Squared tests for contingency tables and categorical data.

MA 401 Complex Variables. 3 Semester Hours. ***Prerequisite: The Calculus Sequence with a grade of C or higher.***
Topics include the algebra of complex numbers, analytic functions and integrals, Liouville'sTheorem, Cauchy-Riemann equations, sequences and series, and integration by methods of residues.

MA 421 Differential Equations. 3 Semester Hours. (Lab fee.) ***Prerequisite: MA 305 or equivalent.***
Theory and techniques of solution for ordinary differential equations with applied examples from different scientific disciplines. Introduction to Laplace transforms.

MA 423 Numerical Analysis. 3 Semester Hours. (Technology or programming required.) (Lab fee.) ***Prerequisite: MA 305, 310.***
Introduction to numerical metbods for interpolation, evaluating roots of polynomials, systems of equations, integration, differentiation, differential equations, and approximation and error analyses.

MA 428 Partial Differential Equations. 3 Semester Hours. ***Prerequisite: MA 421.***
Fourier series, classical PDE's (heat, wave and Laplace's equations), and numerical methods.

MA 431 Introduction to Mathematical Statistics. 3 Semester Hours. ***Prerequisite: MA 331 or its equivalent and the calculus sequence with a grade of C or higher.*** A calculus based introduction to probability and statistics. Topics include discrete and continuous probability distributions, expected values of random variables, moment generating functions, and other advanced statistical and probability concepts including the Central Limit Theorem, ANOVA, Chi-Squared tests, bivariate analysis, regression, other theories of testing and inference, and appropriate applications.

MA 441 Special Topics in Mathematics. 3 Semester Hours. ***Prerequisites: MA 314 and/or MA 320 (or equivalents) with a grade of C or higher.*** Considers topics in abstract algebra, theory of equations, linear programming and various mathematical and problem-solving applications.

MA 445 Mathematical Modeling and Simulation. 3 Semester Hours. ***Prerequisite: MA 310, 421 or equivalent.***
Covers techniques in vector rotation of three-space coordinates, Perron's eigenvalue theorem, date fitting by the normalization processes for multivariable function approximation, Bezier representation of polynomials for "real-time", computer graphic application, and other topics.

MA 450 Advanced Calculus I. 3 Semester Hours. ***Prerequisite: MA 305.*** Functions of several variables, limits, continuity, total differential, Jacobian, general chain rule, implicit functions, higher order derivatives, change of variables in integrals and other advanced topics. A theoretical approach.

MA 451 Advanced Calculus II. 3 Semester Hours. ***Prerequisite: MA 450.*** A continuation of MA 450 with various applications of multivariate calculus.

MA 452 Introductory Real Analysis. 3 Semester Hours. ***Prerequisite: MA 320 or equivalent with a grade of C or higher.***
Review of logic, sets and basic proof structures, functions, countability, the topology of the real number system, theoretical treatment of sequences, series, limits, continuity and single variable differentiation. Additional theoretical treatment of single variable integration may also be included.

MA 454 Materials and Methods of Teaching Mathematics in Middle School/High School. 3 Semester Hours.
Prerequisite: MA 314 , College Geometry and full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship. (Taught in Fall and Spring only.) Field experience is required. Does not satisfy requirements for matbematics major, minor, or general studies. Senior methods portfolio must be submitted during this class. This course presents fundamental principles and techniques for the teaching and learning of secondary mathematics and is designed to prepare prospective secondary mathematics teachers to identify, cultivate, and display essential knowledge, skills, and attitudes necessary for tbe successful planning, teaching, and evaluating of middle and high school mathematics. The course also includes a study of selected topics in mathematics. Opportunities will be provided for the student to demonstrate techniques and methods of teaching various components of the secondary mathematics curriculum.

MA 461 Directed Study/Research in Mathematics. 1 Semester Hour. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

MA 462 Directed Study/Research in Mathematics. 2 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

MA 463 Directed Study/Research in Mathematics. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

MA 470 Senior Mathematics Seminar. 3 Semester Hours. ***Prerequisite: MA 320 or equivalent with a grade of C or higher.***
Review of mathematical ideas in calculus, linear algebra, differential equations, abstract algebra, and otber selected topics.

Management (MG) Courses

MG 302 Management Information Systems. 3 Semester Hours. (Also listed as ac 302.) (Lab fee.) (LiveText required.) ***Prerequisite: Windows applications course (CIS 146).*** An examination of the role of information systems in organizations and how they relate to the objectives and structure of an organization. Emphasis is given to providing a broad overview of the information system management function.

MG 303 Management Decision Support Systems. 3 Semester Hours. (Also listed as AC 303.) (Lab fee.) ***Prerequisite: Windows applications course (CIS 146).*** An analysis of the nature of the decision making process and an examination of support systems. Instruction will emphasize an advanced application of spreadsheet and database management software.

MG 305 Industrial Processes. 3 Semester Hours.
This course presents a solid overview of today's industrial/business world. Topics of discussion and review include: print reading, geometric dimensioning and tolerancing; process control and quality management; safety in the manufacturing environment; metallurgy and materials; machining and fabrication; welding principles and theory; adhesive bonding and procedures; manufacturing, electronic, and aerospace assembly; and chemical processes and control.

MG 320 Organizational Communication. 3 Semester Hours. (Also listed as ATC 320) (Lab fee.) (LiveText required.)
The purpose of this course is to enhance the student's ability to communicate effectively and efficiently in the workplace. Assignments, exercises, and projects emphasize locating and evaluating relevant information, and communicating through writing, listening, reading, and speaking. Research, group collaboration, and intercultural communication skills are stressed in assignments and demonstrated in projects. *NOTE: Beginning Fall 2008, all College of Business majors will be required to purchase LiveText's Accreditation Management System™ to maintain a portfolio for assessment purposes. Please see the course syllabus for details.*

MG 346 Principles of Management and Leadership. 3 Semester Hours. (LiveText required.)
An introductory course that explores both the underlying theory and the practical application of management practices and organizational development. In addition to the basic management functions, the course deals with ethical questions, international competition, leadership, and other issues stemming from management's relationship with its increasingly complex legal, social, and competitive environment.

MG 349 Human Resources Management. 3 Semester Hours. (Also listed as PSHA 349)
A study of the technical functions of HRM. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy. Course will explore challenges facing the HRM professional, as well as specific focus on the role of managers in the administration of HR activities. The challenges include technical functions such as recruitment and selection, training and development, design, administration of compensation and benefits plans, collective bargaining, and initiatives like quality-of-work life programs. The ways in which HRM works toward organizational goals in a time of rapid change will also be examined.

MG 350 Financial Management. 3 Semester Hours. (Lab fee.) (LiveText required.) ***Prerequisite: Principles of Accounting, Principles of Economics, and Algebra.*** A study of the art of money capital management on the level of the firm in an enterprise economy. Topics covered include analysis of financial statements, investment decision making, and calculation of the firm's cost of capital.

MG 351 Labor/Management Relations. 3 Semester Hours.
An examination of managerial issues affecting development of industrial and labor relations policy. Topics examined include impact of public policy, negotiation, administration of collective bargaining agreements, the NLRB, and arbitration cases.

MG 352 International Business. 3 Semester Hours. (LiveText required.)
An analysis of the cultural, economic, ethical, legal, and social environment of the global market.

MG 353 Project Management. 3 Semester Hours. (Lab fee.) (Also listed as ACM 353 and LSM 353)
An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.

MG 375 Organizational Behavior and Teambuilding. 3 Semester Hours. (Lab fee.)
This course is designed to enhance class members' understanding of the causes and consequences of the behavior of people within the context of organizations, with emphasis on teamwork. To accomplish the learning goals for the course, varying instructional methodologies will be employed including lecture and assigned readings from the text, journal articles, and the web. A significant amount of class time will be spent in experiential exercises.

MG 377 Public Administration. 3 Semester Hours. (Also listed as PO 377 and PSHA 377.)
An examination of the major issues and concepts associated with management of governmental agencies.

MG 390 Operations Management. 3 Semester Hours. (LiveText required.)
Prerequisite: MG 346. Operations Management examines manufacturing and services industries and the multitude of activities needed to produce or process goods and services in the private and public sectors. It also examines the problems of facilities layout, plant location, statistical quality control, process control, and various models utilized in these areas.

MG 401 Process, Product and Facilities Design. 3 Semester Hours.
A course emphasizing the integration of all aspects of manufacturing activities and material handling systems. A systematic approach is used to design a manufacturing facility to produce a complete product. Particular attention is given to efficiency and productivity in layout, work-flows, and product handling systems.

MG 402 Manufacturing Issues. 3 Semester Hours.
A study of issues in manufacturing, including tooling systems for the integrated manufacturing environment, with an emphasis on design, geometric dimensioning and tolerances, fast change-over techniques, and acceptance of quality levels. The course will emphasize product reliability, sampling planning, loss functions, and the design of experiments to improve manufacturing.

MG 403 Industrial Economy. 3 Semester Hours.
An examination of the operation of modern industrial economic systems in the United States, Western Europe, Japan, and Third World countries. Topics examined will include price determination, aggregate demand and supply theory, public policy options and the philosophical foundation of free market and command system economies. Time value of money, equivalence, and replacement analyses will also be addressed.

MG 404 Introduction to Quality Control. 3 Semester Hours.
An introductory course covering the basic concepts of quality control systems in manufacturing settings. The course covers the use of statistical process control methods and equipment on a variety of products and processes. Basic statistical methods as applied to quality control problems, sampling plans, product/process reliability, and the use of control charts for variables and attributes data are included.

MG 406 Introduction to Lean Manufacturing. 3 Semester Hours.
An introductory course covering the origins and basic concepts underlying the principles of lean manufacturing. The causes of waste in a company's operation, as well as the basic tools used to eliminate manufacturing waste, will be addressed.

MG 408 ISO Certification Issues. 3 Semester Hours.
This course covers the fundamental concepts of ISO 9000 issues, problems, and outcomes. The course covers the history of ISO 9000, quality concepts relating to ISO certification, and the organization and activities necessary to achieve this certification. The course will also cover the management and organizational commitment necessary to successfully reach this plateau of performance.

MG 410 Employment Law for Business. 3 Semester Hours. ***Prerequisite: Legal Environment (BUS 263).*** An applied study of significant legal issues in labor and employment law including labor-management relations, wage and hour laws, safety and health laws, retirement, welfare and privacy laws that prepare future managers, supervisors, and business owners for responsibilities in management-employee relations.

MG 411 Compensation and Benefits. 3 Semester Hours.
A study of the technical functions of compensation and benefits within Human Resource Management. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy. Therefore, this course will explore the challenges facing the human resource management professional. These challenges will include technical functions such as pay models, internal alignment, external competitiveness, employee contributions, and employee benefits.

MG 412 Cultural Diversity and Communication Issues in International Business. 3 Semester Hours. ***Prerequisite: None. However, it is recommended that MG 352 and EC 320 be completed before taking MG 412.*** This is the capstone course for the international business minor. It focuses on two broad areas: case studies in political, legal, economic, and cultural areas and the in-depth study of multicultural diversity. Areas to be covered include religion, family, time, gender, race, ethnicity, aesthetics, power distance, individual vs. collective, masculine vs. feminine and uncertainty avoidance.

MG 415 Technical Risk Management. 3 Semester Hours. (Lab fee.) ***Prerequisite: Statistics (BUS 271).*** This course examines the use of the scientific method and statistical analysis to minimize the risk exposure in management decision making, particularly when bringing high-technology products to the market place within allotted time and financial specifications.

MG 416 Entrepreneurship. 3 Semester Hours. ***Prerequisite: Accounting I, CIS 146, MG 346, and MK 331.*** In this course, students bring their knowledge of management, marketing, accounting, and microcomputer applications to bear on the problems of planning and operating a small business. Student teams research, prepare, and present complete business plans including proforma financial statements for startup ventures. Market research, site selection, pricing, promotion, and financial analysis for the small firm are among the topics stressed.

MG 417 Management of Change. 3 Semester Hours.
This course examines the various approaches to organizational change, the resistance and driving forces for change, and the implementation and control of change in organizations.

MG 418 Management of Technology. 3 Semester Hours. (Lab fee.) A case study approach to the integration of technical knowledge with management science.

MG 419 Technology Transfer and Commercialization. 3 Semester Hours.
Technology Transfer and Commercialization offers an overview of how government-sponsored technology and expertise can be transferred into commercial and private sectors to maintain business competitiveness. Specific case studies are employed to illustrate the effectiveness and importance of technology transfer to global commerce.

MG 420 Business Policy. 3 Semester Hours. (LiveText required.) Student should schedule this course during one of the last two semesters of their degree program. ***Prerequisite: Senior standing, MG 346, MG 350, MK 331.*** NOTE: Students must earn a minimum grade of "C" in this course in order to graduate with a major in accounting, management, human resources management, or the management of technology. This course requires a business simulation. A capstone course which examines the interrelations of the various business functions from the viewpoint of middle management's decision process. There is heavy emphasis on both oral and written case study analysis.

MG 441 Special Topics in Management. 3 Semester Hours. To be offered on occasion of student demand or need.

MG 449 Advanced Human Resource Management. 3 Semester Hours. (Also listed as PSHA 449.) ***Prerequisite: MG 349.*** This course will examine the functions of Human Resource Management by investigating both the theoretical advance of HRM, and the practical application of these functions as they apply to the manager's responsibility in the global marketplace. Emphasis will be placed on HRM professional roles and responsibilities as a strategic business partner.

MG 460 Directed Study/Research in Management. 3 Semester Hours.
This course is designed to allow students an opportunity to perform research/directed studies in management. It is offered at the discretion of the professor with approval of the College Dean.

MG 461 Internship in Management. 1 Semester Hour. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** At least 50 hours of work-based experience is required. This internship in the field of management is designed to provide the student with practical work experience leading to a potential career-field in business.

MG 462 Internship in Management. 2 Semester Hours. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** At least 100 hours of work-based experience is required. This internship in the field of management is designed to provide the student with practical work experience leading to a potential career-field in business.

MG 463 Internship in Management. 3 Semester Hours. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** At least 150 hours of work-based experience is required. This internship in the field of management is designed to provide the student with practical work experience leading to a potential career-field in business.

MG 470 Introduction to Aviation Management. 3 Semester Hours. ***Prerequisite: Department approval.*** Orientation to aviation management and its career opportunities. The history of significant events and accomplishments in the evolution of aviation and the related attempts to move through air and space.

MG 471 Aviation Law. 3 Semester Hours. ***Prerequisite: GBA 311 and MG 470 or equivalent.*** The legal structure of aviation including federal, local, and state statutes, contracts, insurance and liability, regulatory statutes and specific case law.

MG 472 Aviation Safety and Security Management. 3 Semester Hours. ***Prerequisite: MG 470 or equivalent.*** Problems and issues of aviation safety and security including aircraft accidents, their cause, effect and the development of safety and security programs and procedures.

MG 473 Management of Air Traffic Control Fundamentals. 3 Semester Hours. ***Prerequisite: MG 470 or equivalent.*** Air traffic control procedures, facilities, center, and operations. Theory of radar operation and air traffic separation using computer-based ATC radar simulators. Special fee.

MG 474 General Aviation Management. 3 Semester Hours. ***Prerequisite: MG 346 and MG 471.*** An overview of general aviation and its impact and interaction with the total aviation industry including a study of the various users, the suppliers and service organizations, the aircraft and facilities, maintenance management, and regulatory framework.

MG 475 Aviation Weather Management. 3 Semester Hours. ***Prerequisite: MG 470 or equivalent.*** Weather as it applies to the operation of aircraft with emphasis on observation of weather elements and interpretation of flight planning weather information; DUATS, WSI services.

MG 476 Federal Aviation Regulations Management. 3 Semester Hours. ***Prerequisite: MG 471.*** Study and review of Federal Aviation Regulations CFR 14 Parts 43, 91, 121, and 135 as they pertain to management of airports, charter services, certificated air carriers, and general operating and flight rules.

MG 477 Airport Management. 3 Semester Hours. ***Prerequisite: MG 474 and MK 331.*** Practices in management of a civil public airport, including organization, functions, operations, sources of revenue, funding, facility maintenance, and administration.

MG 478 Aviation Management Internship. 3 Semester Hours. ***Prerequisite: Department approval and Senior Standing.*** Practical on-the-job training under supervision with aviation agencies. Written reports are required by designated faculty supervisors.

MG 479 Aviation Maintenance Management. 3 Semester Hours. ***Prerequisites: MG 470 and MG 474 or equivalent.*** A study of the basic functions, operations, and importance of aviation maintenance in a comprehensive management context. Covers maintenance fundamentals, technical support, maintenance and material supports, oversight functions, human factors in maintenance, and the art of trouble shooting. Students will have a liaison with an aviation maintenance facility to observe management operations.

MG 480 Seminar in Business. 1 Semester Hour. LiveText required. ***Prerequisite: Senior standing; this course should be taken concurrently with MG 420 Business Policy in student's last term.*** This course is a key component in the assessment of business school programs and of student achievement in the areas of communication and professionalism. It will provide the 'post' assessment writing sample for comparison with a 'pre' assessment writing sample done in a course taken in the student's first term (MG 320 Organizational Communication). It will provide an opportunity for students to demonstrate proficiency in oral and written communication, to better prepare for graduate school and the job search process, and to achieve an acceptable score on the Assessment Exam.

MG 491 Practicum in the Management of Technology I. 3 Semester Hours. ***Prerequisites: MG 415, MG 417, and MG 418.*** Supervised experience with, observation of, and participation in the application of management of technology concepts and practices in an organizational setting.

MG 492 Practicum in the Management of Technology II. 3 Semester Hours. ***Prerequisite: MG 491.*** This is an individually designed, directed experience in management of technology concepts and practices in a selected organizational setting. The use of problem solving, risk analysis, and decision-making skills and competencies must be demonstrated in a project completed by the student that involves assisting the selected organization in achieving an operational objective identified by the cooperating organization.

Marketing (MK) Courses

MK 331 Marketing Principles. 3 Semester Hours. (LiveText required.) ***Prerequisite: Principles of Economics.*** This course is a study of the forces operating, institutions employed, and methods followed in the flow of goods and services from production to consumption.

MK 332 Introduction to e-Commerce. 3 Semester Hours. ***Prerequisite: Marketing Principles.*** Introduction to e-commerce provides an overview of issues of marketing products and services via the Internet. The course explores the difference between e-business and e-commerce and the role each will play in an organization's success and growth. The course is designed to enhance the understanding of the Internet as a marketing tool and the impact on today's marketing managers.

MK 333 Advertising. 3 Semester Hours. ***Prerequisite: Marketing Principles.*** This course is a study of the principles of advertising, types of advertising media, and analyzing problems of advertising encountered in business.

MK 334 Internet Marketing. 3 Semester Hours. ***Prerequisite: Marketing Principles.*** This course explores the perspective of using the Internet to market an organization's services or products. It addresses the fundamentals of doing business on the Internet, identifying Internet users, and the legal, ethical, privacy, and security issues associated with the Internet. The course also addresses the role that the Internet plays in shaping the marketing mix: product, price, place, and promotion. The course design provides for the study of the content, design, and construction of a marketing site and how to develop a web marketing plan.

MK 336 Consumer Behavior. 3 Semester Hours. ***Prerequisite: Marketing Principles.*** This course is a study of the buying habits and motives involved in the purchase of economic goods and services. Emphasis is on the decision processes that precede and determine consumer behavior.

MK 431 Marketing Research. 3 Semester Hours. ***Prerequisites: Marketing Principles, Statistics (BUS 271).***
This course is a study of research methods and procedures as they apply to marketing operations. This course includes the information sources available to marketing researchers and the design and analysis of research projects concerned with obtaining primary information.

MK 432 Retailing. 3 Semester Hours. ***Prerequisite: Marketing Principles.***
The course covers principles and methods of store location and layout, promotion, buying, pricing, personnel management, credit, and stock control.

MK 433 Marketing Strategies and Policies. 3 Semester Hours. ***Prerequisite: Marketing Principles.***
The course examines various policies and problems requiring decisions by marketing managers. Particular emphasis will be given to advertising and promotional strategies.

MK 434 e-Commerce Strategy. 3 Semester Hours. ***Prerequisite: Marketing Principles.***
This course is an exploration of the areas of business in which marketing of products and services is being dynamically transformed by the online environment. The course takes an in-depth look at the key trends and critical success factors that impact e-commerce strategy and looks at resources that will help companies build and strengthen their e-commerce strategies. Future e-commerce trends and key issues are also addressed.

MK 435 e-Commerce Practicum. 3 Semester Hours. ***Prerequisite: Senior standing plus completion of all other e-commerce minor classes. Student is expected to be competent in basic business computer skills. Students must be motivated to stay abreast of the changing nature of the Internet.*** This course is designed to integrate both technical and business concepts relative to e-commerce marketing. The student will be required to apply knowledge of these concepts using research analysis and also to implement e-commerce plans and strategies. This capstone course is designed to enhance the student's ability to integrate knowledge and concepts learned in both business and technology classes within the e-commerce minor and showcase them in the development of a small business plan and its implementation on the web.

MK 461 Internship in Marketing. 1 Semester Hour. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** This internship in the field of marketing is designed to provide the student with practical work experience leading to a potential career-field in business. At least 50 hours of work-based experience is required.

MK 462 Internship in Marketing. 2 Semester Hours. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** This internship in the field of marketing is designed to provide the student with practical work experience leading to a potential career-field in business. At least 100 hours of work-based experience is required.

MK 463 Internship in Marketing. 3 Semester Hours. ***Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.*** This internship in the field of marketing is designed to provide the student with practical work experience leading to a potential career-field in business. At least 150 hours of work-based experience is required.

Philosophy (PH) Courses

PH 300 Moral Values in Today's Society. 3 Semester Hours. (Also listed as SO 300.)
This course examines the moral values of various societies as well as those of individual moral philosophers past and present to see how they legitimate their views of what constitutes a good and desirable life.

PH 312 Logic. 3 Semester Hours.
A course intended to help the student develop skill in detecting, identifying, and analyzing fallacious reasoning and implication in the mass media, literature, advertising, theater, philosophy, and religion.

PH 320 Biomedical Ethics. 3 Semester Hours. (Also listed as HS 320.)
The course is designed to create a greater understanding of modern ethical issues in the biomedical field. Key topics will include: research on human and animal subjects, stem-cell research, genetic engineering, abortion, euthanasia, issues of justice, healthcare access, and confidentiality. The course begins with an overview of ethical theory and principle, and then explores the practical issues relating to biomedical ethics.

PH 321 History of Philosophy I. 3 Semester Hours.
A critical survey of the thought of major western philosophers from Thales to Descartes.

PH 322 History of Philosophy II. 3 Semester Hours.
A critical survey of the thought of western philosophers from Descartes to the present time.

PH 325 Philosophy of Religion. 3 Semester Hours. (Also listed as RE 325.)
A philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality, and the belief in life after death. Special attention is given to the impact of science upon religion.

PH 401 Elements of Skeptical, Critical, and Logical Thinking. 3 Semester Hours. (Also listed as PS 401.) ***Prerequisite: General Psychology.*** A course that encourages thinking skills and is divided into three domains. Skeptical thinking will be entertained first, followed by critical thinking or informal logic, with formal logic being addressed last. Skeptical thinking will be taught using "Occam's razor," and informal logic will be studied by analyzing cognitive biases and cognitive fallacies. Formal logic will be learned through the use of categorical sentences, truth functions, and inductive and deductive reasoning.

PH 441 Special Topics in Philosophy. 1 Semester Hour. To be offered on occasion of student demand or need.

PH 442 Special Topics in Philosophy. 2 Semester Hours. To be offered on occasion of student demand or need.

PH 443 Special Topics in Philosophy. 3 Semester Hours. To be offered on occasion of student demand or need.

PH 461 Directed Study/Research in Philosopby. 1 Semester Hour. (Open only to superior students who have had at least fifteen hours of philosophy in the classroom.) (May be repeated for up to ten additional hours of credit.) ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need. The student studies in an area of his or her particular interest approved by the instructor.

PH 462 Directed Study/Research in Philosophy. 2 Semester Hours. (May be repeated for up to ten additional hours of credit.) (Open only to superior students who have had at least fifteen hours of philosophy in the classroom.) ***Prerequisite: Consent of instructor.*** The student studies in an area of his or her particular interest approved by the instructor.

PH 463 Directed Study/Research in Philosophy. 2 Semester Hours. (Open only to superior students who have had at least fifteen hours of philosophy in the classroom.) ***Prerequisite: Consent of instructor.*** The student studies in an area of his or her particular interest approved by the instructor.

Political Science (PO) Courses

PO 301 Social Science Research Methods. 3 Semester Hours. (Also listed as SS 301 and HY 301.) This course is designed to develop the techniques of social science research and to explore varying historical interpretations.

PO 302 Criminal Law. 3 Semester Hours. (Also listed as JS 302.)
Definitions of crimes to include the specific elements of various criminal offenses. Defenses to criminal conduct also are discussed.

PO 303 Comparative State and Local Government. 3 Semester Hours.
A comparative examination of the structures, operation, and contemporary issues focusing on state and local government throughout the United States.

PO 304 Problems of American Government. 3 Semester Hours.
This course examines numerous institutional dynamics and policy questions facing American national government.

PO 305 Alabama Government. 3 Semester Hours.
An examination of the structure and operation of state and local governments and the political process in Alabama.

PO 306 Elections and Public Opinions. 3 Semester Hours.
This course examines the role and effects of elections and public opinion on American political institutions.

PO 307 American Constitutional Law. 3 Semester Hours. (Also listed as HY 307 and JS 307.)
This course examines the text of the nation's primary law and key decisions of the U.S. Supreme Court interpreting certain phrases. Organization and operation of the Court are also covered. This course focuses on separation of powers, federalism, interstate commerce, taxation, the contract clause and the takings clause. This course provides a foundation in American constitutionalism for students who plan to attend law school or teach social studies in the secondary schools.

PO 308 America and the World. 3 Semester Hours. (Also listed as HY 308.)
This course examines America's foreign relations with the main geographical regions of the world since 1775 as well as American policy toward disarmament, foreign aid, economic cooperation, and regional conflicts The institutions involved in the making of foreign policy also are discussed.

PO 320 Introduction to International Commerce. 3 Semester Hours. (Also listed as EC 320.)
This course examines the international economic system and the management challenges faced by multinational corporations in the conduct of international business. Special attention is given to the mechanics of importing and exporting, international finance, and private international law.

PO 326 International and Domestic Terrorism. 3 Semester Hours. (Also listed as JS 326.)
This course examines the threat of international and domestic terrorism. There is an emphasis on the people and groups involved in international terrorism; the goals and ideology of the terrorists; major terrorist events; the global war on terrorism; homeland security; and strategies for containing and defeating the terrorist threat.

PO 341 Statistics With Advanced Topics in Behavioral Science. 3 Semester Hours. (Also listed as PS 341 and SO 341.) ***Prerequisite: Psychology, sociology, or political science major or minor or permission, Pre-Calculus Algebra or Finite Mathematics.*** This course looks at the use of descriptive and inferential statistics to analyze behavioral science data. Advanced inferential topics help prepare students for graduate school.

PO 342 Methods of Behavioral Science Research. 3 Semester Hours. (Also listed as PS 342 and SO 342.) (It is strongly recommended that students take PS/SO/PO 341 Statistics with Advanced Topics in Behavioral Science prior to taking PS/SO/PO 342.) (Lab fee.) ***Prerequisite: Psychology, sociology, political science major or minor or permission.*** This course is concerned with theory design and collection of data in behavioral science research with emphasis on the techniques of collecting, analyzing, and interpreting behavioral science data.

PO 350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as JS 350, PSHA 350, and SO 350.)
This course is a review of basic legal doctrines and processes in American system of jurisprudence. Students are introduced to a wide variety of topics in civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide prelaw majors with exposure to the many social conflicts managed by law and courts and to provide education majors with an overview of law-related topics necessary for civics instruction.

PO 351 American Public Policy/Political Sociology. 3 Semester Hours. (Also listed as SO 351.)
This course explores factors that impact government's responses to a wide variety of social conditions. The process for making policy, the content of current policy, and the impact of policy receive attention.

PO 355 Health Policy in the U.S. 3 Semester Hours.
Course evaluates health as a social issue and reviews major medical service programs of U.S. government, such as Medicare and Medicaid. Much of the course focuses on the political and economic aspects of current and proposed health care policies. There is no prerequisite.

PO 364 Civil Liberties. 3 Semester Hours. (Also listed as JS 364.)
Analysis of leading cases and doctrines which balance governmental/societal interests with individual rights across a broad spectrum of social relationships. Explores the constitutional foundations for freedoms of expression, due process rights, and equal protection under law.

PO 377 Public Administration. 3 Semester Hours. (Also listed as MG 377 and PSHA 377.)
An examination of the major issues and concepts associated with the management of governmental agencies.

PO 380 Public Finance. 3 Semester Hours. (Also listed as PSHA 380.)
This course examines government finance and budgeting. The political, administrative, and economic implications of decisions about government revenue sources, expenditures, and indebtedness are assessed.

PO 388 Administrative Law. 3 Semester Hours. (Also listed as PSHA 388.)
This courses stresses six important areas of administrative law: (1) administrative investigation and enforcement; (2) agency rule making; (3) administrative adjudication; (4) the rights of public employees; (5) government liability; and (6) recent cases in administrative law.

PO 441 Special Topics in Political Science. 1 Semester Hour. To be offered on occasion of student demand or need.

PO 442 Special Topics in Political Science. 2 Semester Hours. To be offered on occasion of student demand or need.

PO 443 Special Topics in Political Science. 3 Semester Hours. To be offered on occasion of student demand or need.

PO 452 Comparative Political Systems. 3 Semester Hours.
Examines the theory of comparative government as well as government and politics in Western Europe, Asia, Africa, and Latin America.

PO 453 International Relations. 3 Semester Hours.
A survey of the basic characteristics and theories of the international system. Special emphasis is placed on international conflicts, economics development of regional and international organizations, international law, international economics, strategic studies, international cooperation, and comparative government.

PO 455 Public Administration Ethics. 3 Semester Hours. (Also listed as JS 455 and PSHA 455.)
Examines ethical issues encountered by administrators of government agencies. More specifically, this course explores the application of codes of ethics, theories of ethical decision-making, and ethical principles affecting public administration.

PO 461 Directed Study/Research in Political Science. 1 Semester Hour. (To be offered on occasion of student demand or need.) ***Prerequisite: Consent of instructor.*** Designed to meet the specific needs of Political Science majors.

PO 462 Directed Study/Research in Political Science. 2 Semester Hours. (To be offered on occasion of student demand or need.) ***Prerequisite: Consent of instructor.*** Designed to meet the specific needs of Political Science majors.

PO 463 Directed Study/Research in Political Science. 3 Semester Hours. (To be offered on occasion of student demand or need.) ***Prerequisite: Consent of instructor.*** Designed to meet the specific needs of Political Science majors.

PO 465 Senior Research Project. 4 Semester Hours.
In this capstone course, the student will work closely with the professor in designing and completing a major research project in an area of political science that is relevant to the student's career objectives. The student will present the research findings to a group of faculty, The instructor may require an observation experience. The student will also take an exit exam covering the major sub-fields of political science at the end of this course.

PO 470 Internship in Political Science. 1-4 Semester Hour(s).
This course is designed to let political science majors serve as interns with judges, lawyers, and public administrators in North Alabama.

PS 301 Introduction to Gender and Multicultural Studies. 3 Semester Hours.
An introduction to the concepts, terminology, and issues in gender and multicultural studies including exploration of America's multicultural composition, gender as an element of culture, and contemporary issues in the field.

PS 304 Drugs and Behavior. 3 Semester Hours. ***Prerequisite: General Psychology.*** A survey of the psychosocial factors related to drug abuse and addiction. Special emphasis will be focused upon estimation of drug epidemiology, consequences of drug usage, and treatment of drug addiction.

PS 310 The Professional Psychologist. 1 Semester Hour. ***Prerequisite: General Psychology.*** Examines the career options available to psychology majors. Topics include what to do with a bachelor's degree in psychology and issues related to graduate schools.

PS 330 Educational Psychology. 3 Semester Hours. ***Prerequisite: General Psychology.***
Application of psychological concepts and principles to classroom teaching and learning especially in the areas of motivation, individual differences, adjustment, and teacher-student interaction.

PS 331 Social Psychology. 3 Semester Hours. ***Prerequisite: General Psychology.***
This course presents an indepth survey of theory, research findings, and research methods pertaining to how the individual's thoughts, feelings, and behaviors are influenced by the real or imagined presence of others. Understanding and critical analysis of primary research is emphasized with the goal of developing critical thinking skills. Topics include the self, person perception, attitudes and attitude change, interpersonal attraction and intimate relationships, stereotyping, prejudice and discrimination, and prosocial behavior.

PS 332 Child Psychology. 3 Semester Hours. ***Prerequisite: General Psychology.***
Indepth survey of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of development from conception to puberty. Topics include prenatal development, motor and perceptual capacities in infancy, cognitive development, the self and self-understanding, and the family. Critical analyses of scientific research designs and methods emphasized.

PS 334 Adolescent Psychology. 3 Semester Hours. ***Prerequisite: General Psychology.***
Indepth survey of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of adolescent development. Topics include physical change, cognitive development, development of identity, social development within the family and among peers, emotional development and moral attitudes. Critical analyses of scientific research designs and methods emphasized.

PS 335 Adult Psychology. 3 Semester Hours. (Also listed as GE 335.) ***Prerequisite: General Psychology.***
Indepth survey of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of adult development. Topics include physical change, development of identity and social roles, intellectual changes over the life span, relationships, career and retirement choices, and coping with death and dying. Critical analyses of scientific research designs and methods emphasized.

PS 336 Psychology of Learning. 3 Semester Hours. ***Prerequisite: General Psychology.*** A survey of the theories and concepts related to learning. The course will cover historical background, respondent conditioning, operant conditioning, imitation and cognitive models.

PS 341 Statistics With Advanced Topics In Behavioral Science. 3 Semester Hours. (Also listed as PO 341 and SO 341.)***Prerequisite: Psychology, Sociology, or Political Science major or minor or consent of instructor, Precalculus Algebra or Finite Mathematics.*** This course looks at the use of descriptive and inferential statistics to analyze behavioral science data. Advanced inferential topics help prepare students for graduate school.

PS 342 Methods of Behavioral Science Research. 3 Semester Hours. (Also listed as PO 342 and SO 342.) (It is strongly recommended that students take PS/SO/PO 341 Statistics with Advanced Topics in Behavioral Science prior to taking PS/SO/PO 342.) (Lab fee.)
Prerequisite: Psychology, Sociology, Political Science Major or Minor or consent of instructor. This course is concerned with theory design and collection of data in behavioral science research with emphasis on the techniques of collecting, analyzing, and interpreting behavioral science data.

PS 352 Abnormal Psychology. 3 Semester Hours. ***Prerequisite: General Psychology and junior class standing.***
This course presents and indepth survey of the field of psychopathology. Considerable emphasis is placed upon DSM IV terminology and diagnostic criteria and upon research related to the etiology and treatment of mental disorders. All major diagnoses are covered, but special attention is focused upon schizophrenia and other serious mental disorders. Additional attention is focused upon contemporary issues such as de-institutionalization, commitment procedures, and insanity defense.

PS 364 Career Management. 1 Semester Hour. (Also referred to as ED 364 and GBA 364.)
This course is designed to prepare students to make a successful transition from an academic environment to the work environment: Traditional and non-traditional job search tactics, to include resume preparation, cover letter writing, networking concepts, development of a professional portfolio, interviewing skills, salary negotiation, work ethics, and corporate culture expectations.

PS 368 Industrial and Personnel Psychology. 3 Semester Hours. (Also listed as GBA 368.) (Sometimes taught on a pass/fail basis.)
The application of psychology to industrial organization. Areas of consideration include morale and group processes, supervisory leadership, selection and placement, training, motivation, fatigue, accidents, interviewing, and industrial counseling.

PS 375 Organizational Behavior and Teambuilding. 3 Semester Hours. (Also listed as MG 375 and PSHA 375.) (Sometimes taught on a pass/fail basis.) (Lab fee.) This course is designed to enhance class members' understanding of the causes and consequences of the behavior of people within the context of organizations, with emphasis on teamwork. To accomplish the learning goals for the course, varying instructional methodologies will be employed including lecture, and assigned readings from the text, journal articles, and the web. A significant amount of class time will be spent in experiential exercises.

PS 380 **Experimental Psychology. 3 Semester Hours.** (Lab fee.) ***Prerequisite: Psychology Major or Minor and PS/SO/PO 341 Statistics With Advanced Topics in Behavioral Science. in Corequisite: PS 380L.*** Laboratory experience included. An introductory course in experimental methods and procedures in psychology. Topics of discussion will include: hypothesis formation, internal and external validity, true experimental designs, quasi-experimental designs, single-subject designs, evaluation research, data collection, ethics, and formal reporting.

PS 380L **Experimental Psychology Laboratory. 1 Semester Hour.** ***Corequisite: PS 380.***

PS 401 **Elements of Skeptical, Critical, and Logical Thinking. 3 Semester Hours.** (Also listed as PH 401.) ***Prerequisite: General Psychology.*** A course that encourages thinking skills and is divided into three domains. Skeptical thinking will be entertained first followed by critical thinking or informal logic, witb formal logic being addressed last. Skeptical thinking will be taugbt using "Occam's razor," and informal logic will be studied by analyzing cognitive biases and cognitive fallacies. Formal logic will be learned through tbe use of categorical sentences, truth functions, and inductive and deductive reasoning.

PS 402 **Introduction to Clinical Psychology. 3 Semester Hours.** ***Prerequisite: General Psychology.***
An introduction to personality theory and tbe techniques of counseling and psychotherapy. An approach to psychotherapy and psychotherapeutic techniques will be emphasized within wbicb various schools of thought can be considered in terms of a common framework.

PS 406 **Physiological Psychology. 3 Semester Hours.** (Lab fee.) ***Prerequisite: General Psychology.***
A study of the relationships between physiological and psychological functions witb special emphasis on mind-body interaction and the pbysiological explanations for buman behavior. Topics of study include: nervous and endocrine systems, sleeping and waking, ingestive behavior, sexual bebavior, reinforcement, punishment, motivation, emotions, and learning (disabilities, dysfunctions, etc.).

PS 410 **History and Systems of Psychology. 3 Semester Hours.** ***Prerequisite: General Psychology.***
A consideration of the scientific and philosophical antecedents of psychology, in addition to the history of the discipline. The course spans pre-Socratic thought to current and emerging issues in the field of psychology.

PS 420 **Cognitive Psychology. 3 Semester Hours.** ***Prerequisite: General Psychology.***
Tbis is an advanced psychology course tbat surveys the major topics in cognitive psycbology. Special emphasis will be focused on attention, memory, language usage, problem solving, and decision making. It is strongly recommended tbat the student have completed Statistics With Advanced Topics in Bebavioral Science and either Experimental Psycbology or Metbods of Behavioral Science Research.

PS 425 **Tests & Measurements. 3 Semester Hours.** (Lab fee.) ***Prerequisite: General Psychology.***
A survey of commonly used educational and psycbological tests. Special emphasis will be focused upon test construction, standardization, reliability, validity, and tbe development of classroom (curriculum based) tests.

PS 441 **Special Topics in Psychology. 1 Semester Hour.** ***Prerequisite: General Psychology.***
To be offered on occasion of student demand or need.

PS 442 **Special Topics in Psychology. 2 Semester Hours.** ***Prerequisite: General Psychology.***
To be offered on occasion of student demand or need.

PS 443 **Special Topics in Psychology. 3 Semester Hours.** ***Prerequisite: General Psychology.***
To be offered on occasion of student demand or need.

PS 444 **Special Topics in Psychology. 4 Semester Hours.** ***Prerequisite: General Psychology.***
To be offered on occasion of student demand or need.

PS 461 **Directed Studies in Psychology. 1 Semester Hour.** (To be offered on occasion of student demand or need.) ***Prerequisite: General Psychology and consent of instructor.*** The student studies in an area of his/her particular interest approved by the instructor.

PS 462 **Directed Studies in Psychology. 2 Semester Hours.** (To be offered on occasion of student demand or need.) ***Prerequisite: General Psychology and consent of instructor.*** Tbe student studies in an area of his/her particular interest approved by the instructor.

PS 463 **Directed Studies in Psychology. 3 Semester Hours.** (To be offered on occasion of student demand or need.) ***Prerequisite: General Psychology and consent of instructor.*** Tbe student studies in an area of his/her particular interest approved by the instructor.

PS 497 **Practicum in Psychology/Sociology/Gerontology. 3 Semester Hours.** (Also listed as SO/GE 497.) ***Prerequisite: Senior standing and consent of instructor.*** This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. Tbe practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.

PS 498 **Practicum in Psychology/Sociology. 3 Semester Hours.** (Also listed as SO 498.) ***Prerequisite: Senior standing and consent of instructor.*** This course provides the student an opportunity to experience tbe theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.

PS 499 **Thinking, Writing, and Speaking in the Behavioral Sciences. 3 Semester Hours.** (Also listed as SO 499.)
A course that all students majoring in the Behavioral Science department must take during their last semester prior to graduation. It will emphasize thinking, writing, and speaking effectively. Therefore, areas in wbich students are deficient will be emphasized individually, througb writing and speaking engagements during the course. Students will be taugbt critical thinking skills and will be intermittently assessed for sucb skills through objective examinations. Also, students will be assessed upon completion of the course for improvement in critical areas.

PSHA349 Human Resources Management. 3 Semester Hours. (Also listed as MG 349.)
A study of the technical functions of Human Resources Management. Emphasis is on application to organizations that deliver public safety services. Topics include the traditional Human Resources Management functional field areas of labor law, personnel administration, labor economics and organizational behavior/theory.

PSHA350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as JS 350, PO 350, and SO 350.)
This course is a review of basic legal doctrines and processes in the United States system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to prelaw majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.

PSHA354 Contemporary Health and Physical Education Activities. 3 Semester Hours. (Also listed as HPE 354.)
This course introduces the student to the basic concepts of optimal health and physical activity, with the primary emphasis being on healthy lifestyle. The course is designed around such topics as basic health and lifestyle concepts; including such things as accident prevention, strett management, and smoking cessation. In addition, nutrition topics and basic physical fitness concepts will be discussed and students will engage in a variety of physical activities. A variety of topics will be discussed including: the role of physiological and psychological health, stress factors, physical fitness, nutrition, weight control, products of dependence, infectious diseases, and lifestyle choices.

PSHA 360 Safety Management for Outdoor Recreation. 3 Semester Hours.
This course focuses on development and management of outdoor recreational safety programs and services provided by public agencies. This course examines and encompasses the following topics: the range and extent of outdoor recreation opportunities and services provided by public agencies and on public lands; tbe current and projected use of public recreational opportunities; accident causation factors; survey of outdoor recreation safety and security programs; and, development of programs for specific outdoor safety problems. This course is intended primarily for those contemplating or currently employed in those professions of public safety, leisure services management, or outdoor recreation. Emphasis will be on planning safety programs for outdoor leisure pursuits and protection of the natural environment for recreational uses.

PSHA 375 Organizational Behavior. 3 Semester Hours. (Also listed as PS 375.) (Sometimes taught on a pass/fail basis.)
A consideration of human behavior in organizational settings with emphasis on individual processes, group processes, and organizational structure and functions.

PSHA 377 Public Administration. 3 Semester Hours. (Also listed as MG 377 and PO 377.)
An examination of the major issues and concepts associated with management of governmental agencies.

PSHA 380 Public Finance. 3 Semester Hours. (Also listed as PO 380.)
This course examines government finance and budgeting. The political, administrative, and economic implications of decisions about government revenue sources, expenditures, and indebtedness are assessed.

PSHA 388Administrative Law. 3 Semester Hours. (Also listed as PO 388.)
This courses stresses six important areas of administrative law: (1) administrative investigation and enforcement; (2) agency rule making; (3) administrative adjudication; (4) the rights of public employees; (5) government liability; and (6) recent cases in administrative law.

PSHA 390 Fire Service Administration. 3 Semester Hours. (PSHA majors only.)
An examination of numerous topics that are of vital importance to the administration of the modern fire service agency. PSHA majors only or permission of PSHA faculty member.

PSHA 400 Public Safety and Health Education. 3 Semester Hours. (Also listed as HS 400.)
This course surveys the development and current state of training and education for selected safety and health related professions and "paraprofessional" fields. The focus of the course will be on the development of professional education in allied health and safety fields, and students will be able to pursue research regarding education and training programs from particular safety and health disciplines and paraprofessional fields.

PSHA 401 Measurement and Evaluation. 3 Semester Hours. (Also listed as HPE 401.)
This course is designed for the purpose of providing Health Education, Physical Education, Health and Wellness Management, and Public Safety techniques utilized to administer, score, and analyze the results of health science, health and safety administration, human performance, and physical education tests. A number of topics will be considered, including basic statistical concepts, techniques utilized in test administration, techniques utilized in data collection, and techniques utilized in data analysis. Field experience is required.

PSHA 425 Strategic Management Concepts for Public Safety Management. 3 Semester Hours.
A study of the interrelationships among the various functions of public safety agencies, and a critical inquiry into the process of planning, implementing, and controlling the organizational strategy of Public Safety agencies. Also included is a consideration of the strategies needed to reinvent government.

PSHA 441 Special Topics in Public Safety and Health Administration 1 Semester Hour.
To be offered on occasion of student demand or need.

PSHA 442 Special Topics in Public Safety and Health Administration.. 2 Semester Hours.
To be offered on occasion of student demand or need.

PSHA 443 Special Topics in Public Safety and Health Administration. 3 Semester Hours.
To be offered on occasion of student demand or need.

PSHA 444 Special Topics in Public Safety and Health Administration. 4 Semester Hours.
To be offered on occasion of student demand or need.

PSHA 446 Public Safety Concepts and Systems. 3 Semester Hours. (Also listed as JS 446.)
This course examines the organizational structure and historical development of governmental, quasi-governmental, and non-governmental systems and agencies concerned with the delivery of public safety services. Also, this course presents current issues that impact public safety agencies.

PSHA 447 Public Health Concepts and Systems. 3 Semester Hours. (Also listed as HS 447.)
This course is designed for the purpose of providing students with opportunities to increase their knowledge and understanding of the public health system and the critical issues facing today's public health agencies.

PSHA 448 Managing the Public Safety and Health Emergency. 3 Semester Hours.
This course is an examination of topics that are vital to managerial and policy level administrators of public organizations that respond to public safety and health emergencies, or those who aspire to such positions as a career goal. The course will consider the problems found within a wide range of areas relative to the delivery of public safety and health emergency response, and propose solutions to those problems, using group and individual case studies, current literature study, and traditional tests. The course is open only to majors in PSHA, JS, Health and Wellness, or Health Science, or by permission of a PSHA faculty member.

PSHA 449 Advanced Human Resource Management. 3 Semester Hours. (Also listed as MG 449.) ***Prerequisite: PSHA 349.***
This course will examine the functions of Human Resource Management by investigating both the theoretical advance of HRM, and the practical application of these functions as they apply to the manager's responsibility in the global marketplace.

PSHA 451 Environmental Health and Safety Systems. 3 Semester Hours. (Also listed as HS 451.)
This course is intended to be an in-depth examination of the creation, development, and operations of governmental processes and agencies at all levels concerned with environmental protection concepts, rule and standard-making, and enforcement. Particular focus will be placed on those agencies and laws that impact the operations of emergency responders.

PSHA 455 Public Administration Ethics. 3 Semester Hours. (Also listed as JS 455 and PO 455.)
Examines ethical issues encountered by administrators of government agencies. More specifically, this course explores the application of codes of ethics, theories of ethical decision-making, and ethical principles affecting public administration.

PSHA 459 Public Safety or Healthcare Supervisor. 3 Semester Hours.

PSHA 460 Public Safety or Healthcare Manager/Administrator. 3 Semester Hours.

PSHA 461 Paramedic/Public Safety or Healthcare Instructor. 3 Semester Hours.

PSHA 462 Haz-Mat Technician. 3 Semester Hours.

PSHA 463 Haz-Mat Specialist. 3 Semester Hours.

PSHA 465 Senior Research Project. 4 Semester Hours. ***Prerequisite: Public Safety and Health Administration major and consent of instructor.*** Capstone course that emphasizes an exit examination, senior paper, and oral presentation.

Physics (PY) Courses

PY 300 Physics for Non-majors. 4 Semester Hours. (Lab fee.) ***Prerequisite: Precalculus algebra.***
Comprehensive introduction to concepts and methods of physics, including discussion of mechanics, thermal physics, electricity and magnetism, and optics. Some basic problem solving is required.

PY 301 Calculus Physics I. 3 Semester Hours. (Lab fee.) ***Corequisite: PY 301L. Prerequisite: Calculus I.*** Calculus-based introduction to principles of mechanics, energy, waves, and fluids.
PY301L Calculus Physics I Lab. 1 Semester Hour. ***Corequisite: PY 301.***

PY 302 Calculus Physics II. 3 Semester Hours. (Lab fee.) ***Corequisite: PY 302L. Prerequisite: PY 301.***
Continuation of PY 301. Calculus-based introduction to principles of heat, electricity, magnetism, and optics.
PY302L Calculus Physics II Lab. 1 Semester Hour. ***Corequisite: PY 302. Prerequisite: PY 301L.***

PY 303 Calculus Physics III (Modern Physics). 3 Semester Hours. (Lab fee.) ***Corequisite: PY 303L. Prerequisite: General Physics (Calculus-Based) I, II.***
Calculus-based introduction to topics in modern physics, including quantum physics and atomic and nuclear structure.
PY303L Calculus Physics III (Modern Physics) Lab. 1 Semester Hour. ***Corequisite: PY 303.***

PY 306 Thermal Physics. 3 Semester Hours. ***Prerequisite: PY 302, Calculus III.***
Study of thermal energy, equations of state, entropy, and the laws of classical and statistical thermodynamics.

PY 309 Mechanics I. 3 Semester Hours. ***Prerequisite: PY 302, MA 421.***
Study of the laws and principles of classical mechanics including particle motion, central forces, and motion of rigid bodies. Solution of many problems required.

PY 310 Mechanics II. 3 Semester Hours. ***Prerequisite: PY 309.*** Study of laws and principles of classical mechanics including particle motion, central forces, and motion of rigid bodies. Solution of many problems required.

PY 312 Electricity and Magnetism I. 3 Semester Hours. ***Prerequisite: PY 302, MA 421.***
Theory of electromagnetic fields and waves as developed from basic experimental laws. Emphasis placed on techniques of problem solving.

PY 344 Principles Of Optics. 4 Semester Hours. (Lab fee.) ***Prerequisite: PY 303, MA 421.***
Study of optical phenomena including wave motion, reflection, refraction, image formation, and dispersion.

PY 345 Physical Optics. 4 Semester Hours. (Lab fee.) ***Prerequisite: PY 344.***
Selected topics in classical and modern physical optics. Covers polarization, interference, Fresnel and Fraunhofer diffraction, Fourier methods, coherence, stimulated emission, lasers, and holography.

PY 412 Electricity and Magnetism II. 3 Semester Hours. ***Prerequisite: PY 312.***
Theory of electromagnetic fields and waves as developed from basic experimental laws. Emphasis is placed on techniques of problems solving.

PY 415 Intermediate Quantum Physics I. 3 Semester Hours. ***Prerequisite: PY 303, MA 421, MA 428 recommended.***
Advanced introduction to quantum mechanics, the Schroedinger wave equation, the one-electron atom, spin, and complex atoms.

PY 416 Intermediate Quantum Physics II. 3 Semester Hours. (Continuation of PY 415.) ***Prerequisite: PY 415.***
Advanced introduction to molecules, statistical physics, solids, and nuclear physics.

PY 435 Senior Laboratory. 3 Semester Hours. (Lab fee.) ***Prerequisite: PY 303, 309, and 312.***
Selected experiments from modern physics, electricity and magnetism, optics, and thermodynamics.

PY 441 Special Topics in Physics. 3 Semester Hours. ***Prerequisite: Consent of instructor.***
Selected topics in upper-level physics. To be offered on occasion of student demand or need.

PY 461 Directed Study and Research in Physics. 1 Semester Hour. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

PY 462 Directed Study and Research in Physics. 2 Semester Hours. ***Prerequisite: Consent of instructor.***
To be offered on occasion of student demand or need.

PY 463 Directed Study and Research in Physics. 3 Semester Hours. ***Prerequisite: Consent of Instructor.***
To be offered on occasion of student demand or need.

Religion (RE) Courses

RE 300 Religion, Culture, and Media. 3 Semester Hours.
This course examines the religious content of popular culture and media. This course guides the student through a study of cultural and media events that have a religious emphasis. The class will combine a theological and sociological approach to the study of religion, culture, and media.

RE 301 Religions That Shaped the World. 3 Semester Hours.
A survey of religions from ancient Egypt, Mesopotamia, Greece, Persia, Rome, Africa, America and the Eastern Religions of India, China, and Japan. This course will examine how these religions have shaped and continue to shape our religious world views.

RE 302 Religion and Literature. 3 Semester Hours.
A study of various theological themes as they appear in literature. This course involves students in the study of great works of literature that have a religious motif, which is an interdisciplinary field of inquiry. It provides the student the opportunity to reflect on the great themes that emerge from both fields of study.

RE 303 Current Religious Movements and Issues. 3 Semester Hours.
An examination of current religious issues and movements which are influential in the thought and practice of modern society.

RE 305 Survey of Religious Education. 3 Semester Hours.
This course provides an introduction to the field of religious education. The philosophy, history, processes and methods, organization, administration, and institutions concerned with the delivery of contemporary Christian educational ministries will be examined. Particular emphasis will be placed on specialized and parachurch religious educational organizations and processes representing a variety of denominations and faiths.

RE 306 Theology of Music. 3 Semester Hours.
An examination of historical perspectives regarding the theology of music in Christian worship. Sources will include the theological works of the early Christian thinkers and writers and the primary figures of the Protestant Reformation. The course will culminate in an exploration of the theological concerns, in regard to worship music, that face the church today.

RE 308 Essentials of Biblical Studies. 3 Semester Hours.
This course will provide students who are preparing for graduate studies or those who want to know about the field of biblical studies an overview of the field. There are no prerequisites for this course. The course will contain discussion of biblical content, methods used to interpret biblical text, and some very basic information about biblical language and manuscripts. (The course should be taken by all religion majors who lack pre-professional hours in Religion.)

RE 311 Age of the Reformation, 1350 - 1610. 3 Semester Hours. (Also listed as HY 311.)
This course is a survey of the history of church and state in Europe from the Great Schism through the Protestant Reformation to the eve of the Thirty Years War.

RE 312 History of Judaism. 3 Semester Hours.
Presents Judaism from the destruction of the Temple through medieval times. Examines the world of Talmud, Midrash, Response and the general Diaspora. Requires reading from historical and tenetial sources.

RE 314 History of Islam. 3 Semester Hours.
Presents Islam from its beginning, in an historical, religious, and geographical context, to its major geographical, doctrinal, and sectarian spread internationally.

RE 325 Philosophy of Religion. 3 Semester Hours. (Also listed as PH 325.)
A philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality and the belief in life after death. Special attention is given to the impact of science upon religion.

RE 327 Sociology of Religion. 3 Semester Hours. (Also listed as SO 327.)
The interaction, interpretation, and interrelationships of religion, society, and individual morality in American religious behavior and institutions.

RE 330 Biblical Hebrew Grammar I. 3 Semester Hours.
Inductive approach, utilizing the Biblical narratives, especially in Genesis and the Books of Kings.

RE 331 Biblical Hebrew Grammar II. 3 Semester Hours. ***Prerequisite: RE 330 or its equivalent.***
Emphasis on conjugations, syntax, and morphology, Hebrew poetry, and Hebrew narrative.

RE 340 New Testament Greek I. 3 Semester Hours. For Beginners. Greek grammar utilizing New Testament vocabulary.

RE 341 New Testament Greek II. 3 Semester Hours. ***Prerequisite: RE 340 or its equivalent.*** Continuation of RE 340.

RE 351 Introduction to Christian Thought. 3 Semester Hours.
A critical study of contemporary Christian theological perspectives, which will cover a broad spectrum of current theological perspectives including evangelical, conservative, liberal, neo-reformation, liberationist, feminists, and other post-modern approaches.

RE 403 Religion in Life. 3 Semester Hours.
An examination of religious ethics from various religious perspectives with the primary focus on western religious traditions and a comparison of western traditions with eastern ones observing both similarities and differences.

RE 405 Religious Education of Adults. 3 Semester Hours.
This course presents an overview, through lectures, discussions, and readings, of the foundations of adult religious education, a survey of adult religious education programs, and a comprehensive examination of the principles of education for adult learners. The intended audience for this course are those students who are currently involved in the delivery of religious educational programs, or those students who anticipate working with adult learners in a religious setting. This course includes a research/field experience component.

RE 409 Christian Thought in Early Centuries. 3 Semester Hours.
A study of Christian thought in Jesus, Paul, and other leaders in the first centuries.

RE 412 The Hebrew Prophets. 3 Semester Hours.
An examination of the settings, psychology, and conventional forms of prophecy in the ancient Near East as well as the writings of the former and latter prophets of the Old Testament.

RE 413 Psalms and Wisdom Literature. 3 Semester Hours.
An examination of the poetry, forms, and theology in the book of Psalms along with a study of the Wisdom Literature including the Books of Proverbs, Job, Ecclesiastes, and other 4th and 3rd century BC writings.

RE 416 Interpreting the Text. 3 Semester Hours (Also listed as EH 416).
An examination of various ancient, historical, and literary methods of interpreting literature covering the range from ancient ways of reading texts to current poststructuralist approaches. Even though primary emphasis will center on religious texts, there will be considerable attention given to issues and methods that emerged from the realms of the social sciences, literature, and philosophy.

RE 417 Internship Senior Research Project: Religious Education. 4 Semester Hours.
This course provides opportunities for students to document and present directed research and supervised on-site work experiences in appropriate religious education settings. This course includes regularly scheduled discussion conferences and the evaluation of field experiences.

RE 421 Sacred Art in History. 3 Semester Hours. (Also listed as AR 421.)
This course explores the relationships between art and religion bringing theories of religious and aesthetic experience together. It gives an overview of the history of sacred art worldwide and it introduces students to religious functions of contemporary art. The course concentrates on the ways in which sacred and spiritual beliefs influence the creation of works of art using various cultures from around the world and throughout history. Students learn to understand aesthetic experiences with critical reflection and explain it to others.

RE 441 Special Topics in Religion. 1 Semester Hour. To be offered on occasion of student demand or need.

RE 442 **Special Topics in Religion. 2 Semester Hours.** To be offered on occasion of student demand or need.

RE 443 **Special Topics in Religion. 3 Semester Hours.** To be offered on occasion of student demand or need.

RE 461 **Directed Study/Research in Religion. 1 Semester Hour.** ***Prerequisite: Consent of instructor.*** (Open only to superior majors.) (May be repeated for up to six additional hours of credit.) (To be offered on occasion of student demand or need.)

RE 462 **Directed Study/Research in Religion. 1 Semester Hour.** ***Prerequisite: Consent of instructor.*** (Open only to superior majors.) (May be repeated for up to six additional hours of credit.) (To be offered on occasion of student demand or need.)

RE 463 **Directed Study/Research in Religion. 1 Semester Hour.** ***Prerequisite: Consent of instructor.*** (Open only to superior majors.) (May be repeated for up to six additional hours of credit.) (To be offered on occasion of student demand or need.)

RE 464 **Religious Studies Capstone Course. 1 Semester Hour.**
This capstone course must be taken during the student's final semester of work. Students will be expected to know critical content and demonstrate their knowledge through critical thinking in their research, writing, and oral presentation. In collaboration with the religion faculty, each student will propose a research project related to one of the following areas: sociology of religion, biblical studies, or theology and upon completion will make an oral presentation of his or her paper. Research should include a history of scholarship relating to the issues or problems under investigation.

Secondary Education (SC) Courses

SC 331 **Classroom Management in Secondary Education. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program.*** This course is designed to facilitate the acquisition of professional attributes, to improve oral and written communication skills, to acquire classroom management skills appropriate for middle and high school classrooms and become cognizant of the impact of significant educational trends and issues. Field experience required.

SC 333 **Teaching Reading/Writing in the Content Areas. 3 Semester Hours.** ***Prerequisite: Admission to the Teacher Education Program.*** Teaching Reading and Writing in the Content Area is designed to model creative strategies to promote reading comprehension, vocabulary development, and study skills in humanities, social sciences, natural sciences, mathematics, collaborative education, and vocational education for students in middle school and secondary school. Field experience required.

SC 362 **Assessment and Evaluation in Secondary Education. 3 Semester Hours.** *Prerequisite: Admission to the Teacher Education Program.* This course addresses issues related to creating effective assessment tools for classroom use, factors which impact student performances and achievement, and strategies to effectively assess student understanding. Standardized tests are also studied along with the foundation of analysis and interpretation as well as the effects of "high stakes" testing. Field experience required.

SC 484 **Internship in Middle School. 9 Semester Hours.** (Lab fee.) ***Prerequisite: Senior standing, admission to the Teacher Education Program and satisfactory completion of all TEP couses..*** Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.

SC 485 **Internship in Middle School. 5 Semester Hours.** (Lab fee.)
Seven-week internship program for persons seeking additional certification.

SC 486 **Internship in High School. 9 Semester Hours.** (Lab fee.) ***Prerequisite: Senior standing, admission to the Teacher Education Program and satisfactory completion of all TEP courses.*** Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.

SC 487 **Internship in High School. 5 Semester Hours.** (Lab fee.)
Seven-week internship program for persons seeking additional certification.

Special Education (SE) Courses

SE 301 **Introduction to Exceptional Learners. 3 Semester Hours.**
A general survey course which addresses etiology, identification, incidence, curriculum modification, parent interaction, placement options, and inclusion of all types of educationally exceptional learners in general education settings. Includes required SDE training in Addressing Disproportionality In Alabama Schools. Field experience is required.

SE 315 **Introduction to Cognitive and Health Disabilities. 3 Semester Hours.** ***Prerequisite: SE 301 or concurrent enrollment.***
This course provides an overview of causes, characteristics, educational needs of, and issues associated with mental retardation, orthopedic impairments, and other health impairments. Field experience is required.

SE 325 **Introduction to Learning and Emotional Disabilities. 3 Semester Hours.** ***Prerequisite: SE 301 or concurrent enrollment.***
This course provides an overview of causes, characteristics, and issues associated with learning disabilities, emotional disabilities, and behavioral disablitities. Field experience is required.

SE 335 **Curriculum Development and Adaptations. 3 Semester Hours.** ***Prerequisite: Math or reading courses (ER 323 or EL 324) as well as SE 301 or concurrent enrollment.*** This course teaches the sources and development of appropriate curricula for a wide variety of students. It will include familiarity with state courses of study for inclusive settings as well as intense curricula for social and occupational needs in the special education setting.

SE 355 Alternative Instructional Strategies. 3 Semester Hours. ***Prerequisite: At least one math and one reading methods course and SE 315 or SE 325.*** This course provides the pre-service teacher with alternative corrective procedures for a variety of academic, social, and occupational problems. Lee v. Macon Training on "Makes Sense Strategies" is included. Field experience is required.

SE 402 Assessment of Exceptional Learners. 3 Semester Hours. (Lab fee.) ***Prerequisite: SE 301 and either 315 or 325.***
This course provides training and hands-on experience with formal & informal tests and rating scales for use with exceptional students at elementary and secondary school levels. Topics include basic concepts of measurement, test development and technical characteristics, test administration, test scoring, and score interpretation. Administration of a battery of tests and preparation of a formal report are required. Field experience required.

SE 415 Transition Planning and Learning Strategies for Adolescents. 3 Semester Hours. ***Prerequisite: SE 301, 315, 325, 335 or concurrent enrollment.*** This course provides training and hands-on experience with intervention strategies for adolescents with a variety of needs. It focuses on academic support, functional skills, social and career skills. Field experience is required.

SE 425 Conferencing and Collaborative Techniques. 3 Semester Hours. ***Prerequisite: Admission to the Teacher Education Program. This course is taken concurrently with internship.*** This course is designed to develop communication skills and ethical standards in communicating programs and problems of the exceptional learner to parents, professionals, students, and other appropriate personnel.

SE 435 Strategies for Individuals with Severe Disabilities. 3 Semester Hours. ***Prerequisite: SE 301, 315, 325 and 335.***
This course provides training and hands-on experience with intervention strategies for students with severe cognitive, physical, and emotional disabilities. It will include intensive field experience in functional skills, movement and medical procedures, and in functional behavior assement and planning behavior interventions. Field experience is required.

SE 455 Language and Development Strategies for Young Children. 3 Semester Hours. ***Prerequisite: SE 301, 315, 325 or concurrent enrollment.*** This course emphasizes the development of language, cognitive, social, and motor skills. Topics include theory of language and cognitive development and strategies and materials used to meet the developmental needs of young children with a variety of disabilities. Field experience is required.

SE 465 IEPs and Other Legal Issues. 3 Semester Hours. ***Prerequisite: Admission to the Teacher Education Program. Must be taken the semester before internship.*** This course provides an overview of laws and regulations governing the implementation of special education services including federal and state regulations as well as relevant court cases. It will include development of IEPs for a variety of students. Senior methods portfolio will be submitted in this course.

SE 476 Internship for Collaborative Education K-6. 9-12 Semester Hours. (Lab fee.) ***Prerequisite: Senior standing and admission to the Teacher Education Program.*** Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.

SE 477 Internship for Collaborative Education K-6. 5 Semester Hours (Lab Fee) ***Prerequisites: Senior standing, admission to the Teacher Education Program, and successful completion of SE 478 Internship for Collaborative Education 6-12.***
Open only to Special Education Majors who seek to add endorsement in Collaborative Education K-6. Seven-week internship program to include 20 days of full time teaching in state-accredited school under the guidance of a cooperating teacher and a university supervisor.

SE 478 Internship for Collaborative Education 6-12. 9-12 Semester Hours. (Lab fee.) ***Prerequisite: Senior standing and admission to the Teacher Education Program.*** Fifteen-week Internship Program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.

SE 479 Internsbip for Collaborative Education 6-12. 5 Semester Hours. (Lab Fee) ***Prerequisites: Senior standing, admission to the Teacher Education Program and successful completion of SE 476 Internship for Collaborative Education K-6.***
Open only to Special Education Majors who seek to add endorsement in Collaborative Education 6-12. Seven-week internship program to include 20 days of full time teaching in state-accredited school under the guidance of a cooperating teacher and a university supervisor.

SE 495 Classroom Management and Discipline. 3 Semester Hours. ***Prerequisite: SE 301 and either 315 or 325.***
This course is designed to develop students' understanding of classroom dynamics and behavioral problems. Topics include physical environment management and curriculum management as well as a variety of disciplinary strategies. Functional behavioral assessment and behavior intervention/management planning are covered. Course includes Lee v. Macon Training on Positive Behavioral Supports.

Social Science (SS) Courses

SS 301 Social Science Research Methods. 3 Semester Hours. (Also listed as PO 301 and HY 301.) (Required of B.S.Ed. degree-seeking History and Social Science majors; may not be taken by B.A. degree-seeking history major.)
A course designed to develop the techniques of social science research and to explore varying historical interpretations.

SS 310 Modern Economics. 3 Semester Hours. (Also listed as EC 310.)
A macro examination of the operation of modern economic systems including price determination, aggregate demand and supply theory, public policy options, and the philosophical foundations of free market and command systems.

SS 321 Money And Banking. 3 Semester Hours. (Also listed as EC 321.) ***Prerequisite: Principles of Economics.***
A study of how money, credit, and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of income determination, as well as recent trends in banking.

SS 323 Introduction To Managerial Economics. 3 Semester Hours. (Also listed as EC 323.)
A course that analyzes the behavior of individual firms and households carrying on production or consumption. The material provides a practical examination of important macroeconomic principles behind the operation of any modern business and explains the analytical tools used in making effective management decisions.

SS 450 Materials and Methods of Teaching the History and Social Sciences in the Middle School/High School. 3 Semester Hours. (Also listed as HY 450.) ***Prerequisite: Full standing as a student in the Teacher Education Program and senior standing at Athens State University. This course must be taken the semester prior to internship.*** Senior methods portfolio must be submitted during this class. **Field experience required.** This course is intended to enhance students' abilities to plan, implement, and evaluate instructional activities in teaching history and social sciences and to select and use appropriate materials and equipment. Knowledge of the history and social sciences curriculum and middle and high school student characteristics will be increased. Students will actively participate in demonstrating and modeling strategies and techniques. The role of research will be emphasized.

Sociology (SO) Courses

SO 300 Moral Values Today's Society. 3 Semester Hours. (Also listed as PH 300.)
This course examines the moral values of various societies as well as those of individual moral philosophers past and present to see how they legitimate their views of what constitutes a good and desirable life.

SO 301 Introduction to Multicultural Studies. 3 Semester Hours. (Also listed as PS 301.)
An introduction to the concepts, terminology, and issues in gender and multicultural studies including exploration of America's multicultural composition, gender as an element of culture, and contemporary issues in the field.

SO 304 Sociology of Work. 3 Semester Hours.
Prerequisite: Introduction to Sociology. Consists of sociological analysis of work in pre-industrial and industrial societies; a consideration of problems involved in the conceptual and empirical study of occupations and professions; an examination of the process of professionalism; and the study of leisure and the social consequences of changes in occupations and professions.

SO 312 Majority/Minority Group Relations. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
A study of the principles and processes which shape the patterns of relations between majority groups, racial, ethnic, and other groups, with emphasis on American society, along with a comparison of intergroup relations in other societies.

SO 314 Population Study. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
The relationship of demographic factors to the social structure. Trends in fertility, mortality, population growth, distribution, migration, and composition.

SO 327 Sociology of Religion. 3 Semester Hours. (Also listed as RE 327.) ***Prerequisite: Introduction to Sociology.***
The interaction, interpretation, and interrelationships of religion, society, and individual morality in American religious behavior and institutions.

SO 341 Statistics With Advanced Topics In Behavioral Science. 3 Semester Hours. (Also listed as PO 341 and PS 341.)
Prerequisite: Psychology, Sociology, or Political Science Major or Minor or Permission, Precalculus Algebra or Finite Mathematics.
This course looks at the use of descriptive and inferential statistics to analyze behavioral science data. Advanced inferential topics help prepare students for graduate school.

SO 342 Methods of Behavioral Science Research. 3 Semester Hours. (Also listed as PO 342 and PS 342.) It is strongly recommended that students take PS/SO/PO 341 Statistics With Advanced Topics in Behavioral Science prior to taking PS/SO/PO 342. (Lab fee.)
Prerequisite: Psychology, Sociology, Political Science Major or Minor, or Permission. This course is concerned with theory design and collection of data in behavioral science research with emphasis on the techniques of collecting, analyzing, and interpreting behavioral science data.

SO 350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as JS 350, PO 350, and PSHA 350.) ***Prerequisite: Introduction to Sociology.*** This course is a review of basic legal doctrines and processes in the United States system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide prelaw majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.

SO 351 American Puhlic Policy/Political Sociology. 3 Semester Hours. (Also listed as PO 351.)
This course explores factors that impact government's responses to a wide variety of social conditions. The process for making policy, the content of current policy, and the impact of policy receive attention.

SO 352 Sociology of Health and Illness. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
This course utilizes the sociological perspective to introduce a range of topics which illustrate the intimate connection between human behavior and health outcomes, the behavior of the healthcare institution, and the nature of the United States healthcare system.

SO 353 Sociology of Death & Dying. 3 Semester Hours.
This course is a study of the sociological aspects of death and dying. This course will explore both the historical and contemporary issues within the sociology of death and dying. The study of death and dying will provide a foundation for dealing with death in your personal life as well as in your profession/career.

SO 360 Contemporary American Family. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
A study of the origin and evolution of the American family as a social institution and the relationship of family structure to social organization. Emphasis will be placed upon the development of the family from colonial days to its contemporary forms and the larger social context within which the family has developed.

SO 361 Social Analysis. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
A study of the basic principles of social organization including an examination of the structure and function of groups and complex organizations including social institutions, with special emphasis on their operation in American society.

SO 362 Deviant Social Behavior. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
An in-depth examination of the social implication of labeling deviant behavior and its effects upon both the individual and society.

SO 363 Social Structure and Personality. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
An analysis of the relationship of the culture and individual behavior through social influences.

SO 401 Adult Corrections. 3 Semester Hours. (Also listed as JS 401.) ***Prerequisite: Introduction to Sociology.*** Socioeconomic facets of crime and principles and practices of delinquency, probation, and parole. Interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed.

SO 441 Special Topics in Sociology. 1 Semester Hour. ***Prerequisite: Introduction to Sociology.***
A study of social issues and contemporary social problems and their consequences.

SO 442 Special Topics in Sociology. 2 Semester Hours. ***Prerequisite: Introduction to Sociology.***
A study of social issues and contemporary social problems and their consequences.

SO 443 Special Topics in Sociology. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
A study of social issues and contemporary social problems and their consequences.

SO 444 Special Topics in Sociology. 4 Semester Hours. ***Prerequisite: Introduction to Sociology.***
A study of social issues and contemporary social problems and their consequences.

SO 452 Advanced Criminology. 3 Semester Hours. (Also listed as JS 452.) ***Prerequisite: Introduction to Sociology.***
Analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation.

SO 453 Juvenile Delinquency. 3 Semester Hours. (Also listed as JS 453.) ***Prerequisite: Introduction to Sociology.***
The course applies a sociological approach to analyzing juvenile delinquency. While recognizing a variety of the causes (physiological, psychological, and social) of juvenile delinquency, this approach focuses on the impact of societal conditions on juvenile delinquency. The course combines a theoretical and an empirical emphasis.

SO 460 Sociological Theories. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
An historical examination of the theories and principles of sociological theory with emphasis on current theory and its relationship to research.

SO 461 Directed Study/Research in Sociology. 1 Semester Hour. ***Prerequisite: Introduction to Sociology.***
Designed to examine selected topics from a sociological perspective. Open to senior-level majors by approval.

SO 462 Directed Study/Research in Sociology. 2 Semester Hours. ***Prerequisite: Introduction to Sociology.***
Designed to examine selected topics from a sociological perspective. Open to senior-level majors by approval.

SO 463 Directed Study/Research in Sociology. 3 Semester Hours. ***Prerequisite: Introduction to Sociology.***
Designed to examine selected topics from a sociological perspective. Open to senior-level majors by approval.

SO 471 Aging in a Mass Society. 3 Semester Hours. (Also listed as GE 471.) ***Prerequisite: Introduction to Sociology.*** A study of the aging process, the special problems encountered by the aging and by the institutions of society involved in the care of the aging.

SO 497 Practicum in Psychology/Sociology/Gerontology. 3 Semester Hours. (Also listed as PS/GE 497.)
Prerequisite: Senior Standing and Approval of Instructor. This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.

SO 498 Practicum in Psychology/Sociology. 3 Semester Hours. (Also listed as PS 498.) ***Prerequisite: Senior Standing and Approval of Instructor.*** This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.

SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences. 3 Semester Hours. (Also listed as PS 499.)
A course that all students majoring in the Behavioral Science department must take during their last semester prior to graduation. It will emphasize thinking, writing, and speaking effectively. Therefore, areas in which students are deficient will be emphasized individually, through writing and speaking engagements during the course. Students will be taught critical thinking skills and will be intermittently assessed for such skills through objective examinations. Also, students will be assessed upon completion of the course for improvement in critical areas.



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